About the Velocity Control Function

The MX-200's organ tones play at a set volume level, regardless of how forcefully the keys are pressed (Velocity Control: OFF). This is the setting for normal use.
Switching the Velocity Control function on allows you to adjust the volume level so to obtain a balance in volume between the organ's own tones and the MX-200's organ tones*.

* *Tones in the Classic Organ Category (FLUE, REED, MIXTURE, CELESTE, PEDAL, THEATER, ENSEMBLE) and E.ORGAN Category.*

This function applies velocity (which changes the volume in response to the force used to press the keys) to tones that are not natively velocity-responsive. Use of this function allows you to adjust the volume of the selected tone using the Rodgers organ coupler function (Velocity Level).

Turning the MX-200's Velocity Control On and Off

1. Hold down the [VOLUME] knob and press the [VALUE] knob to enter Edit mode.
   The "EDIT" MODE indicator lights.
2. Turn the [TONE CATEGORY] knob to select "CELESTE (SETUP MODE)."
   The "SETUP" MODE indicator lights.
3. Turn the [PART] knob to select "10 (VELOCITY CONTROL)."
4. Turn the [VALUE] knob to select "ON."
5. Press the [VALUE] knob to set (write) the value.
6. Press the [VOLUME] knob to exit Edit mode.

Adjusting the Organ Velocity Level

The following is a description of this procedure using the Rodgers Model 795 organ. The procedure used for other models is roughly the same.
Before you start, you will need to make the required MIDI coupler settings.

1. Hold down the organ's [SET] piston and turn the [SELECT] knob to the right to display the following screen.

MIDI ___ CH _
VEL: ___ _____

2. Turn the organ's [SELECT] knob to move the cursor to "VEL."
3. Turn the organ's dial to adjust the volume.
   The value set here (2–127) is transmitted to the MX-200 as the fixed velocity value used while performing.
4. Press the organ's CANCEL (0) piston to quit the setting.

As this procedure sets the volume at a fixed, constant level, regardless of the force used in pressing the keys, the level of expressiveness in the sound is more controlled. Use this function only when you find you cannot achieve a proper tone balance while performing.

RODGERS

ORGAN SOUND EXPANSION

MX-200

Owner's Manual

Thank you, and congratulations on your choice of the Rodgers MX-200.

Connecting the MX-200 to your organ immediately multiplies the number of tones available for your use.

First, carefully read this Owner's Manual to completely familiarize yourself with the MX-200.

As you also will need to operate the controls on your organ, be sure to have the organ owner's manual on hand as well.

Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (p. 2; p. 4). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

Those already using the MX-200 with their instruments should read this manual from the beginning, paying particular attention to the sections "Basic Operation" (p. 9) and "Advanced Ways to use" (p. 13).

For instructions on connecting the MX-200 to your organ, please read from "Setting up your MX-200" on p. 17 and "Adjusting your Organ" on p. 22.

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For the U.K.

IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE: NEUTRAL
BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.
Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug.

USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About ⚠WARNING and ⚠CAUTION Notices

⚠WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

⚠	The △ symbol alerts the user to important instructions or warnings.The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
⃠	The ⃠ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
●	The ● symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

ALWAYS OBSERVE THE FOLLOWING

⚠WARNING

- Before using this unit, make sure to read the instructions below, and the Owner's Manual.

- Do not open or perform any internal modifications on the unit or its AC adaptor. (The only exception would be where this manual provides specific instructions which should be followed in order to put in place user-installable options; see p. 15.)

- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

- Never use or store the unit in places that are:
  - Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
  - Damp (e.g., baths, washrooms, on wet floors); or are
  - Humid; or are
  - Exposed to rain; or are
  - Dusty; or are
  - Subject to high levels of vibration.

⚠WARNING

- Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces.

- Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock.

- Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards!

- This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an audiologist.

⚠ WARNING

- Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.

- Immediately turn the power off, remove the AC adaptor from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page when:
  - The AC adaptor or the power-supply cord has been damaged; or
  - If smoke or unusual odor occurs
  - Objects have fallen into, or liquid has been spilled onto the unit; or
  - The unit has been exposed to rain (or otherwise has become wet); or
  - The unit does not appear to operate normally or exhibits a marked change in performance.

- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.

- Protect the unit from strong impact.
  (Do not drop it!)

- Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.

- Before using the unit in a foreign country, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

- Always turn the unit off and unplug the AC adaptor before attempting installation of the circuit board (SRX series; p. 9).

⚠ CAUTION

- The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation.

- Always grasp only the output plug or the body of the AC adaptor when plugging into, or unplugging from, this unit or an outlet.

- At regular intervals, you should unplug the AC adaptor and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire.

- Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.

- Never climb on top of, nor place heavy objects on the unit.

- Never handle the AC adaptor body, or its output plugs, with wet hands when plugging into, or unplugging from, an outlet or this unit.

- Before moving the unit, disconnect the AC adaptor and all cords coming from external devices.

- Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet (p. 9).

- Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet.

- Install only the specified circuit board (SRX series). Remove only the specified screws (p. 15).

- Should you remove screws or rubber feet, make sure to put them in a safe place out of children's reach, so there is no chance of them being swallowed accidentally.

IMPORTANT NOTES

In addition to the items listed under "USING THE UNIT SAFELY" on page 2, please read and observe the following:

Power Supply

- Do not use this unit on the same power circuit with any device that will generate line noise (such as an electric motor or variable lighting system).
- The AC adaptor will begin to generate heat after long hours of consecutive use. This is normal, and is not a cause for concern.
- Before connecting this unit to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to speakers or other devices.

Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Also, do not allow lighting devices that normally are used while their light source is very close to the unit (such as a piano light), or powerful spotlights to shine upon the same area of the unit for extended periods of time. Excessive heat can deform or discolor the unit.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.
- Do not allow rubber, vinyl, or similar materials to remain on the unit for long periods of time. Such objects can discolor or otherwise harmfully affect the finish.
- Do not paste stickers, decals, or the like to this instrument. Peeling such matter off the instrument may damage the exterior finish.

Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- To clean the unit, use a dry, soft cloth; or one that is slightly dampened. Try to wipe the entire surface using an equal amount of strength, moving the cloth along with the grain of the wood. Rubbing too hard in the same area can damage the finish.
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

Repairs and Data

- Please be aware that all data contained in the unit's memory may be lost when the unit is sent for repairs. Important data should always be backed up in another MIDI device (e.g., a sequencer), or written down on paper (when possible). During repairs, due care is taken to avoid the loss of data. However, in certain cases (such as when circuitry related to memory itself is out of order), we regret that it may not be possible to restore the data, and Roland assumes no liability concerning such loss of data.

Additional Precautions

- Please be aware that the contents of memory can be irretrievably lost as a result of a malfunction, or the improper operation of the unit. To protect yourself against the risk of loosing important data, we recommend that you periodically save a backup copy of important data you have stored in the unit's memory in another MIDI device (e.g., a sequencer).
- Unfortunately, it may be impossible to restore the contents of data that was stored in the unit's memory once it has been lost. Roland Corporation assumes no liability concerning such loss of data.
- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- Never strike or apply strong pressure to the display.
- When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels. You may prefer to use headphones, so you do not need to be concerned about those around you (especially when it is late at night).
- When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.

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Main Features

A Wealth of Additional Organ Tones Built-In

The MX-200 features for your use a number of specialized pipe tones included only on some of the very finest organs.

Includes Rich Orchestral Tones

The MX-200 features exclusive wave data with realistic orchestral tones. Now you can increase your organ expression with beautiful strings and other orchestral sounds.

Single Instrument Connects to All MIDI Couplers

The MX-200 is capable of handling all MIDI coupler outputs from any Rodgers organ.

Accepts SRX Series Wave Expansion Board

The MX-200 can be expanded with the installation of one Roland SRX Series Wave Expansion Board. This lets you add and use an even greater variety of Roland tones with your organ.

Compatible with GM Level 2 System

The MX-200 is compatible with the GM Level 2 tone map, meaning you can play back performance data from the original PR-300S without problems.

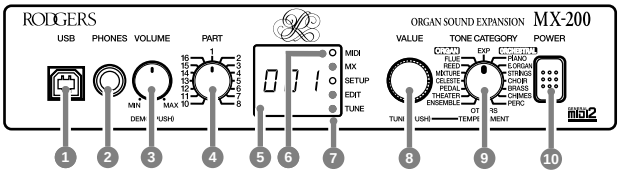
Can Be Used in Combination with the MR-200 Sequencer

The MR-200 is a sequencer for use with organs. The MX-200 was designed so that it could be operated in tandem with the MR-200, allowing you to use your organ with the MX-200 and the MR-200 connected, all without the need to figure out any difficult settings.

In addition, the MR-200 features a MX-200 controller function, thus allowing complete control of operations from the MR-200, without needing to directly touch the MX-200.

Panel Descriptions

Front Panel



1. USB Connector

This connector is used for servicing of the MX-200. It is not used in ordinary operation.

2. PHONES Jack

This is the jack for connecting headphones (sold separately).

* *Use headphones with an impedance of 8 to 150 Ohms.*

NOTE

The sounds output from this jack are only those sounds produced by the MX-200. The sounds produced in combination with the organ are output from the organ's headphone jack (may not be applicable with certain models).

3. VOLUME Knob

This adjusts the volume level for the OUTPUT jack and the PHONES jack.

Pressing the [VOLUME] knob switches the MX-200 to Demo mode.

Additionally, holding down the [VOLUME] knob and pressing the [VALUE] knob (**8**) switches the MX-200 to Edit mode.

Also, press this knob to exit Edit mode.

4. PART Knob

This switches the part for which a tone is selected. In Tune mode, this switches the reverb type.

5. Display

Displays a variety of information about the operation being performed.

6. MIDI Indicator

Lights up when MIDI messages are received.

7. MODE Indicator

This indicates the currently selected mode.

8. Value Knob

Used to change the value that is set for a parameter.

You can also press this knob to alternate between MX mode and Tune mode. In Tune mode, this adjusts the overall global tuning.

Pressing the [VALUE] knob while holding down the [VOLUME] knob (**3**) switches the MX-200 to Edit mode.

9. TONE CATEGORY Knob

This selects the tone category.

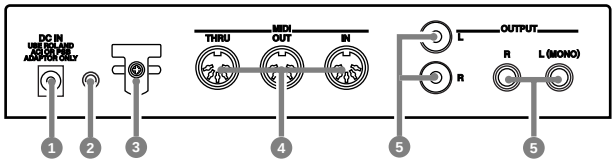
In Edit mode, this knob is used to select the parameter to be set.

In Tune mode, it is used for switching the temperament.

10. Power Switch

Pressed to switch the power on and off.

Rear Panel



1. AC Adaptor Jack

Accepts connection of the supplied AC adaptor.

2. Ground Terminal

Depending on the circumstances of a particular setup, you may experience a discomforting sensation, or perceive that the surface feels gritty to the touch when you touch this device, microphones connected to it, or the metal portions of other objects, such as guitars. This is due to an infinitesimal electrical charge, which is absolutely harmless. However, if you are concerned about this, connect the ground terminal (see figure) with an external ground. When the unit is grounded, a slight hum may occur, depending on the particulars of your installation. If you are unsure of the connection method, contact the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

Unsuitable places for connection

- Water pipes (may result in shock or electrocution)
- Gas pipes (may result in fire or explosion)
- Telephone-line ground or lightning rod (may be dangerous in the event of lightning)

3. Chord Hook

To prevent the inadvertent disruption of power to your unit (should the plug be pulled out accidentally), and to avoid applying undue stress to the AC adaptor jack, anchor the power cord using the cord hook.

4. MIDI Connectors (In, Out, Thru)

These connectors are used to connect the MX-200 with other devices for sending and receiving MIDI messages.

MIDI IN: This receives information from other MIDI instruments.

MIDI OUT: This sends information from the MX-200.

MIDI THRU: This sends out, unaltered, information received from MIDI IN.

5. OUTPUT Jack (L (MONO), R)

These are for stereo (L/R) output of audio signals to an amp or a mixer. For monaural output, connect to the left (L) jack.

Two types of jacks are provided for the OUTPUT jacks, 1/4" phone jacks (L (MONO), R) and RCA phono jacks (L, R).

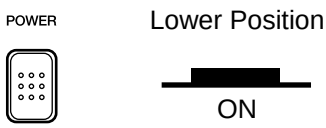
Basic Operation

Turning the Power ON/OFF

■ Turning On the Power

* *Once the connections have been completed (pp. 18–20), turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.*

1. Press the MX-200's [POWER] button to turn on the power to the MX-200.



2. Turn on the power to connected external devices.

* *This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.*

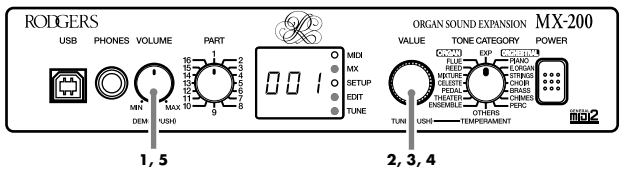
■ Turning Off the Power

1. Turn off the power to connected external devices.

2. Press the MX-200's [POWER] button to turn off the power to the MX-200.

→ *Some Rodgers organs provide a power source that can be used for supplying power to other connected devices. When drawing power from such organs, the power to the MX-200 turns on or off along with the organ's power. There is no need to press the MX-200's [POWER] button. The MR-200 can also be powered in the same way.*

Listening to the Demo Songs



1. Press the [VOLUME] knob to enter Demo mode.

2. Turn the [VALUE] knob to select the song you want to hear.

3. Press the [VALUE] knob to start the performance.

4. Press the [VALUE] knob once again to stop the performance.

5. Press the [VOLUME] knob to exit Demo mode.

For details on the demo songs, refer to p. 47.

* *No data for the music that is played will be output from MIDI OUT.*

* *MIDI messages received from external instruments are ignored while the Demo Play screen is displayed.*

* *All rights reserved. Unauthorized use of this material for purposes other than private, personal enjoyment is a violation of applicable laws.*

Changing the Mode

You can use the MX-200's panel controls to switch among six modes. The modes have the following functions.

MX Mode

Used for selecting the tones to be used in each part.

Tune Mode

Used for setting the tuning and temperament and the reverb type.

* *When the MX-200 is switched to Tune mode, the current tuning setting is displayed, followed by the reverb type, the temperament, then the tuning again.*

Edit Mode

Used for adjusting the parameters in each part.

Setup Mode

Used for making the MX-200's initial settings and other system-related settings.

GM2 Mode

Used when running the MX-200 as a GM 2/GS/General MIDI sound module.

Demo Mode

Used for listening to the demo songs.

You can toggle between MX mode and Tune mode by pressing the [VALUE] knob.

Pressing the [VALUE] knob and [VOLUME] knob simultaneously switches the MX-200 to Edit mode or Setup mode. Likewise, press the [VOLUME] knob to exit Edit mode or Setup mode.

The MX-200 is normally used in MX mode or Tune mode.

General MIDI is a set of recommendations that standardizes the MIDI capabilities of sound modules. Sound modules and music files that adhere to the General MIDI standard bear the General MIDI logo (GENERAL MIDI). Music files bearing the General MIDI logo can be played back using any General MIDI sound module with essentially the same musical results.

The upwardly compatible General MIDI 2 (GENERAL MIDI2) recommendations pick up where General MIDI leaves off, offering enhanced expressive capabilities and even greater compatibility.

Issues not covered by the original General MIDI standard - such as how sounds are to be edited, and how effects should be handled - are precisely defined in General MIDI 2. Moreover, the available sounds have been expanded. General MIDI 2 compliant sound modules are capable of reliably playing back music files that carry either the General MIDI or General MIDI 2 logo. In some cases, the conventional form of General MIDI, which does not include the new enhancements, is referred to as "General MIDI 1" as a way of distinguishing it from General MIDI 2.

Playing the MX-200's Sounds from the Organ

Now try out some of the MX-200's various tones using the MIDI couplers.

The following describes an example using the organ's Great keyboard.

■ Try Playing Sounds from the Organ

Make sure that the equipment is properly connected (p. 18) and that the necessary settings are made (p. 22).

1. Turn on one of the organ's MIDI couplers (example: GT A).

When you play the keyboard to which the selected MIDI coupler (example: GT A) is associated, sounds are then played from the MX-200.

2. Turn the organ's MIDI coupler off.

When the coupler is off, the MX-200's sounds are not used for the organ performance.

Organs are equipped with separate MIDI couplers for each part. For example, the drawknobs, tablets, and pistons labelled as "ORCH/MIDI GREAT," "MIDI SWELL" and so on are MIDI couplers. In addition, some organ models may feature two MIDI couplers for one part, for example MIDI GT A and MIDI GT B. In such cases, the MX-200 is capable of playing the two tones A and B from a single keyboard.

What Are MIDI Couplers?

The MIDI couplers featured on Rodgers organs are couplers that allow the use of external sound modules. These couplers are switches whose function is to "couple" or connect the organ with external sound modules.

Each MIDI coupler has a different MIDI channel pre-assigned to it. When a MIDI coupler is switched on, performance data is output to that coupler's MIDI channel. Connecting an external sound generator or module to this MIDI channel further allows you to incorporate tones other than those of the organ in your organ performances.

Each keyboard on Rodgers organs is equipped with one or two of these MIDI couplers, thus totaling three to eight MIDI couplers for the entire instrument.

The following table shows the correspondence between MIDI couplers and MIDI channels for the main Rodgers organ models (current as of 2003).

Model									MIDI Channel (Part)
i557	i577	T787	T797	T807	T837	T927	T957	T967	
GT	GT	GT A	GT A	GT A	GT A	GT A	GT A	GT A	1
SW	SW	SW A	SW A	SW A	SW A	SW A	SW A	SW A	2
PD	PD	PD A	PD A	PD A	PD A	PD A	PD A	PD A	3
-	-	-	-	-	-	CH A	CH A	CH A	4
-	-	GT B	GT B	GT B	GT B	GT B	GT B	GT B	5
-	-	SW B	SW B	SW B	SW B	SW B	SW B	SW B	6
-	-	PD B	PD B	PD B	PD B	PD B	PD B	PD B	7
-	-	-	-	-	-	CH B	CH B	CH B	8
-	-	-	-	-	-	-	-	-	9
-	-	-	-	-	-	-	-	-	10
-	-	-	-	-	-	-	-	-	11
(GT)	(GT)	(GT)	(GT)	(GT)	(GT)	(GT)	(GT)	(GT)	12
(SW)	(SW)	(SW)	(SW)	(SW)	(SW)	(SW)	(SW)	(SW)	13
(PD)	(PD)	(PD)	(PD)	(PD)	(PD)	(PD)	(PD)	(PD)	14
-	-	-	-	-	-	(CH)	(CH)	(CH)	15
-	-	-	-	-	-	-	(SO)	(SO)	16

GT: Great SW: Swell PD: Pedal CH: Choir SO: Solo

Shown in parentheses are the MIDI channels over which the keyboard data is output. These are used mainly in recording performances with sequencers and other such devices.

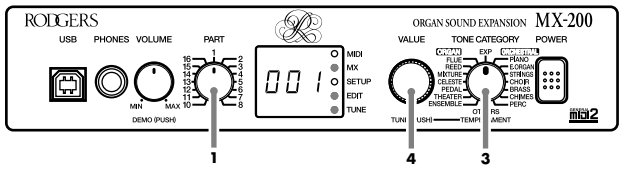
Example:
If you are using a T797 organ, the MX-200's Part 1 is played when the MIDI GT A piston is on.

With Rodgers organs, MIDI Channels 12–16 are used to output the performance data from the organ itself.

To prevent the MX-200 from playing the sounds on these channels, mute the corresponding parts (12–16) on the MX-200 (p. 23). Note that if the corresponding parts are not muted, the sounds may still be played, even if you press the organ's Cancel (0) piston.

Switching Tones with the MX-200

Now try using the MX-200 to switch the MIDI coupler tones.



1. **Set the MX-200's [PART] knob to "1."**
2. **Use the organ controls to switch on the MIDI GT A (or GT) piston.**
3. **Select the desired tone category with the MX-200's [TONE CATEGORY] knob.**
4. **Turn the MX-200's [VALUE] knob to select a sound variation.**

   You can now perform with the selected tone when you play the Great keyboard.

In the same manner, you can set other tones for the other keyboards using the corresponding part numbers, for example assigning tones to the Swell keyboard with Part 2, the Pedalboard with Part 3, assigning part numbers to the Choir keyboard and coupler B as well.

* *You can save the settings that determine which tone is used with each of the organ's MIDI couplers. When tones are selected by operating the MX-200, the saved tone selections are cancelled as the result of such selections.*

* *For instructions on how to save tones to the organ's MIDI couplers, refer to your organ owner's manual.*

Adjusting the Master tuning on the MX-200

When adjusting the organ's tuning, the MX-200's tuning must also be changed to the same value. Matching the tuning removes muddiness in the sound, allowing you to get a clearer, more beautiful sound.

1. **Press the [VALUE] knob to make the TUNE indicator in the display lights up.**
2. **Turn the [VALUE] knob to adjust the tuning.**

   The frequency of A4 is used as the basic reference pitch. When indicating this frequency, the display shows the lowest two digits and the first digit after the decimal point.

   For example, when set to 440 Hz, "40.0" is indicated in the display.

Selecting Temperament on the MX-200

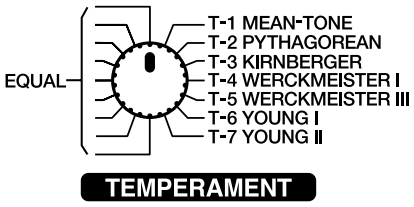
The "temperament" specifies the intervals between the keys. Adjusting the pitches of the instrument based on this is referred to as "tuning."

With the MX-200, you can select from eight different temperaments: Equal, Mean-Tone, Pythagorean, Kirnberger, Werckmeister I, Werckmeister III, Young I, and Young II.

1. **Press the [VALUE] knob to make the TUNE indicator in the display lights up.**

2. **Turn the [TONE CATEGORY] knob to adjust the temperament.**

   The correspondence between the position of the TONE CATEGORY knob and the temperament is as shown below.



Equal

Also known as 12-Tone Equal Temperament. Now the most commonly used temperament, it makes performances sound the same in any key. Most musical works after the Roman period were composed under the assumption that they would be performed in Equal temperament, and this temperament is used today for almost all keyboard instruments.

Mean-Tone

Mean-Tone is an unequal temperament that was created by partially modifying the Just temperament to allow modulation. In modulations up to three sharps or two flats, chords sound very similar to chords in Just temperaments.

Pythagorean

This was developed by the Greek philosopher Pythagoras. This scale eliminates the lack of definition in fourths and fifths. While it does yield beautiful-sounding melodies, it also creates ambiguity in the thirds. Passed down by the Greeks to the Romans, it was used for a long period in church music as the scale for the Gregorian chants. In fact, it was the main tuning used up until the development of the Mean-Tone temperament.

Kirnberger

This tuning is an improvement of Mean-Tone and Equal temperaments. Along with the Werckmeister temperament, it is often used in concerts and recitals.

Werckmeister I and III

This temperament, which exhibits greater freedom of modulation than the Mean-Tone temperament, was devised to sound harmonically in key signatures with few incidentals and melodically in key signatures with more incidentals.

Young I and II

A classical temperament devised by Vallotti around 1754, later improved on by Young. This has become the basis for a variety of different tunings.

NOTE

Once you set the temperament, it does not change until you use the procedure to switch the temperament again. Even when the [TONE CATEGORY] knob is adjusted for some other function, the temperament still remains the same.

NOTE

The temperament is reset to Equal when the power is turned off.

Switching the Reverb Type

Reverb refers to the reverberation that normally occurs within a room. Applying reverb lets you add more richness to the sound being output. The lower the type number you select, the less reverb is added to the sound; higher numbers result in a grand, majestic-sounding reverberation. Pipe organs in particular are used in large churches that feature long reverberation times, and adding reverb allows you to reproduce this imposing sound.

Certain large organ models allow reverb to be applied to the sounds from a connected MX-200. In such instances, you may find it better not to add much reverb to the MX-200's sounds.

1. **Press the [VALUE] knob so that the TUNE indicator lights in the display.**

2. **Turn the [PART] knob to select the reverb type.**

PART Knob Position	Reverb Type	Description
1	OFF	No reverb added.
2	ROOM	Reverb of a relatively small room
3	STAGE	Reverb of a small stage
4	SMALL HALL	Reverb of a small hall
5	MEDIUM HALL	Reverb of a medium-sized hall
6	SMALL CHURCH	Reverb of a large hall
7	MEDIUM CHURCH	Reverb of a medium-sized church
8	LARGE CHURCH	Reverb of a large church
9	CATHEDRAL	Reverb of a large cathedral

You can select one reverb type to be applied to the MX-200's overall sound.

You can adjust the amount of reverb for each part individually with the **Part Reverb Send Level** (p. 23) in Edit mode.

Advanced Ways to use

Switching Tones with MIDI

Besides switching tones directly with the MX-200, you can also switch the MX-200's tones using MIDI. Rodgers organs are designed to take advantage of this function.

The following describes two ways to switch tones using MIDI.

Tone Map

The tones contained in the MX-200 can be selected with the numbers indicated in the tone map by means of Program Change (PC), Bank Select (MSB), and Bank Select (LSB).

MIDI signals are designed to enable the communication of performance data among sixteen separate sound modules.

With the MX-200, these sixteen sound modules correspond to the part numbers 1 through 16, and you can select the tone for each individual part by setting the PC, MSB, and LSB for the respective part.

For instructions on how to do this, refer to "**Selecting Tones from the Organ**" in the column to the right.

(Examples) Selected from the **Tone List** (p. 28)

No.	PC	MSB	LSB	Tone Name
001	1	93	126	32' Contre Geigen
002	2	93	126	16' Montre
003	3	93	126	16' Pommer
004	4	93	126	8' Second Diapason
005	5	93	126	8' Harmonic Flute

When "93" is received for the MSB, "126" for the LSB, and "3" for the PC, the tone "16' Pommer" is selected.

* *The MX-200's display may not show any particular changes when tones are changed with MIDI. However, since changes are handled in exactly the same manner whether made with the panel controls or with MIDI, when a PC is received following adjustments with the panel controls, the tone selected with the panel controls is switched to the tone received via MIDI. Conversely, when a tone is switched with the panel controls after tones have been switched with MIDI, the tone selected via MIDI is switched to the tone selected with the panel controls.*

Selecting Tones from the Organ

Using signals called MIDI Program Changes, the MX-200 allows you to switch its tones without directly operating the unit. You can store these Program Changes to the organ's MIDI couplers to switch the MX-200's tones.

By way of example, the following will set the Rodgers T797 organ's GT A MIDI coupler to "002: MX Strings" in the MX-200's STRINGS category. To select the "MX Strings" tone, you will need to set PC: 113, MSB: 93, and LSB: 126 (alternatively, you can select this with PC: 50, MSB: 65, and LSB: 0). (See **Tone List** (p. 28).)

→ *Also refer to "Connecting to MIDI Devices" in the T797 Owner's Manual. If you happen to be using a different model Rodgers organ, similar descriptions will be given in the Owner's Manual for that model.*

1. **Hold down the organ's [SET] piston and press the MIDI coupler piston for the part to be used (in this case, press GT A).**

   The MIDI coupler piston flashes, indicating that the instrument can be set.

2. **Turn the organ's [SELECT] knob to highlight the PGM number.**
3. **Rotate the organ's Alpha Dial to select the Program Change number (113) you want to have transmitted.**
4. **Turn the organ's [SELECT] knob to the MSB number.**
5. **Rotate the organ's Alpha Dial to select the Bank Select MSB number (93) you want to have transmitted.**
6. **Turn the organ's [SELECT] knob to the LSB number.**
7. **Rotate the organ's Alpha Dial to select the Bank Select LSB number (126) you want to have transmitted.**
8. **Press the GT A coupler piston.**

   It stops flashing. You can now play "MX Strings" tone on the Great manual.

→ *For more detailed information on Program Change numbers and Bank Select MSB and LSB numbers, refer to the **Tone List** (p. 28).*

The procedure above assigns "002: MX Strings" from the MX-200's STRINGS category to GT A MIDI.

NOTE

Save the MIDI coupler settings to the organ's combination piston. If you press the combination piston without first saving the MIDI coupler settings, the current settings will be cleared.

Switching Tones from the Organ Keyboard

Rodgers organs feature a "Quick Key Map" function that lets the performer use the organ keyboard to switch the tones. This function allows you to switch the MIDI coupler tones simply and easily as you perform, without having to adjust the MX-200 itself.

When switching tones, the only numbers that can be specified from the keyboard are the "PC" numbers. The MSB and LSB numbers must be set ahead of time. Following the instructions in the organ Owner's Manual, set the MSB to 65 and the LSB to 0. Setting the MSB to 65 selects the "Capital Tone" as the basic tone to be used. To select other variations, set MSB numbers from 66 to 69.

Instructions for Setting the MSB/LSB (Overview)

1. **Hold down the SET piston and turn the SELECT knob to switch to the MIDI coupler settings screen.**
2. **Turn the SELECT knob to advance to the PGM/ MSB/LSB menus.**

* *Some earlier model organs have no LSB displayed, and show VAR instead of MSB. However, as the LSB is set to 0 anyway, this presents no problem.*

3. **Set MSB to 65 and LSB to 0. Select a number for the PGM as well so that OFF no longer appears in the display.**

How to Switch Tones Using the Quick Key Map

1. **Hold down the (SET) piston and press the desired MIDI coupler.**

   The MIDI coupler lamp flashes, and the selected tone is enabled.

2. **Play a key on the keyboard.**

   The tone is switched, without the note for that key being played, and the MIDI coupler lamp stops flashing and remains lit.

Quick Key Map Mode

In selecting tones with the keyboard as described above, if the (SET) piston is held down and one of the keys on the keyboard is pressed, the unit switches to **Quick Key Map mode**, and the MIDI coupler continues to flash.

You can perform as usual in this mode, but you can also change tones by holding down the (SET) piston and pressing a key on the keyboard.

To view the key map itself, see p. 44.

* *When using a device that has the MIDI couplers assigned to tablets, press the upper tablet area instead of the MIDI couplers.*

* *Note that certain organ models do not feature a tone selection mode.*

Part Mute

In addition to the MIDI coupler tones, performance data from the organ itself is transmitted via specific MIDI channels. Most Rodgers organs use Channel 12 through Channel 16 (Parts 12 through 16) for this purpose. The MX-200 features a "Part Mute" function to deal with this data. For instructions on making the Part Mute settings, refer to **Part Mute** (p. 23).

Rhythm Sets

Performance data received over Channel 10 (Part 10) contains particular tone arrangements called "rhythm sets." You can use a "rhythm set" in any part by selecting "rhy" for the part type (on p. 23).

For instructions on making the actual settings, refer to **Part Type** (p. 23).

Tremulant Effect

Tremulant is an effect that adds a trembling effect to the sound.

While this effect is generally known as "vibrato," with pipe organs, this particular effect is obtained through the use of special boxes that change the air pressure.

With the MX-200, tones in the Tone List (p. 28) appended with (*1) are linked with the organ, so the tremulant effect will be automatically applied when the tremulant is switched on by means of the organ's controls.

* *If the organ features two MIDI output systems, the MX-200 must be connected with the organ's Sequencer Out.*

* *The organ must be set so that the tremulant is included in the stops.*

However, some tones already have the tremulant applied.

(Example)

The FLUE #011 tone is the FLUE #004 tone with tremulant added.

Using SRX Wave Expansion Boards

The MX-200 is equipped with one "slot," which accepts a Roland SRX Series Wave Expansion Board. Installing a Wave Expansion Board allows you to increase the number of MX-200 tones you can use.

NOTE

The Wave Expansion Board can be installed by removing the top cover.

NOTE

A wave board designed exclusively for use with the MX-200 comes installed in Slot B. **Do not remove this board.** Removing this board will prevent the MX-200 from functioning correctly.

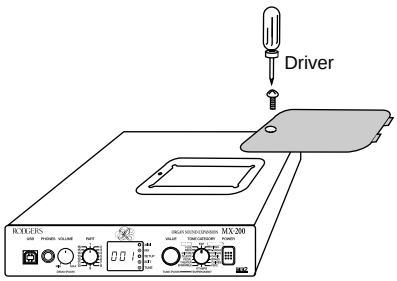
■ Cautions When Installing an Wave Expansion Board

- To avoid the risk of damage to internal components that can be caused by static electricity, please carefully observe the following whenever you handle the board.
  - → Before you touch the board, always first grasp a metal object (such as a water pipe), so you are sure that any static electricity you might have been carrying has been discharged.
  - → When handling the board, grasp it only by its edges. Avoid touching any of the electronic components or connectors.
  - → Save the bag in which the board was originally shipped, and put the board back into it whenever you need to store or transport it.
- Do not touch any of the printed circuit pathways or connection terminals.
- Never use excessive force when installing a circuit board. If it doesn't fit properly on the first attempt, remove the board and try again.
- When circuit board installation is complete, double-check your work.
- Install only the specified board, and remove only the specified screws.
- Be careful not to cut your hands on the opening for installing the board.

■ How to Install a Wave Expansion Board

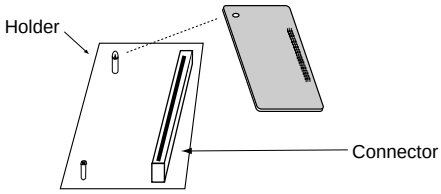
1. Before installing the Wave Expansion Board, switch off the power to the MX-200 and any connected equipment.

2. Detach the cover on the upper portion of the MX-200. Loosen the screw on the upper portion of the cover.

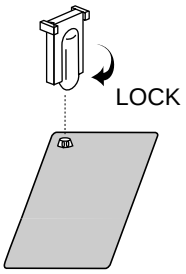


3. Position the board holders so they are oriented.

4. Insert the connector for the Wave Expansion Board into the connector on the unit, and at the same time, fit the board holders into the holes.



5. Use the tool supplied with the Wave Expansion Board to rotate the board holders to LOCK, securing the Wave Expansion Board in place.



6. Use the (specified) screws you removed in step 2 to reattach the cover.

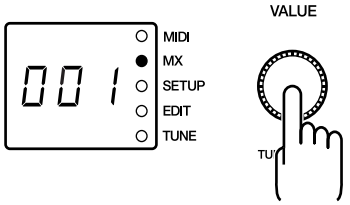
This completes the installation of the Wave Expansion Board.

Next, make sure the board is installed correctly (p. 16).

■ Check to make sure the board has been installed properly

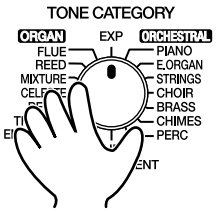
1. Press the POWER switch on the MX-200 to switch on the power (p. 9).

2. Press [VALUE] to select the MX mode.



→ *When you have a Wave Expansion Board installed, "roland MX-200" is displayed when you turn on the power, and then the last two digits of the Wave Expansion Board's model name are displayed.*
For example, If you have an SRX-01 "Dynamic Drum Kits" installed, "A01" will be displayed.

3. Turn [TONE CATEGORY] to choose EXP.



If 001 appears in the display, the Wave Expansion Board has been installed correctly.

NOTE

If the display shows "**- - -**," it's likely that the Wave Expansion Board is not being recognized correctly. Follow the steps in**Turning Off the Power** (p. 9) to switch off the power, then reinstall the Wave Expansion Board, making sure you do it correctly.

Using a Sequencer

Playback

When data prescribing the tone selections has been placed at the beginning of a song, the song is played using the tones the song data prescribes, regardless of the MX-200's settings. If no data prescribing the tone selections has been recorded at the beginning of a song, the song is played in accord with the MX-200's settings.

In addition, when GS or GM song data is played back, the MX-200 functions as a GS/GM sound module.

NOTE

The MX-200 may not function as a GS/GM sound module when RECEIVE GM2 ON (p. 25) is set to OFF.

Recording

The arrangement by which the data for selecting tones is recorded at the beginning of the song data is handled by the organ and sequencer. When the sequencer is placed in record mode, it transmits a message alerting the organ that it is ready for recording. In response to this, the organ transmits information regarding the tones selected on the organ itself and the MIDI coupler tone selection data. The sequencer records this information while further transmitting the tone selection data to the MX-200. In this manner, the sequencer records the tone selection data at the beginning of the song data.

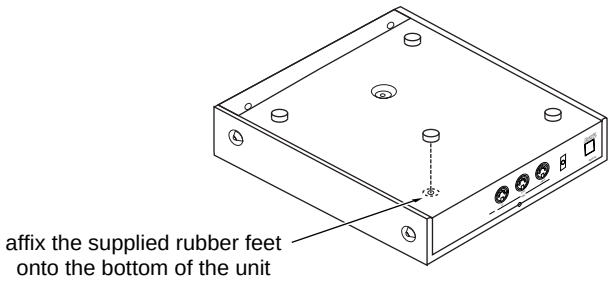
The MX-200 is designed to be used in conjunction with the MR-200 sequencer, which performs the operation described above automatically. When using other sequencers with the MX-200, refer to the corresponding MIDI Implementation for the proper settings.

Setting up your MX-200

Getting Ready to Play

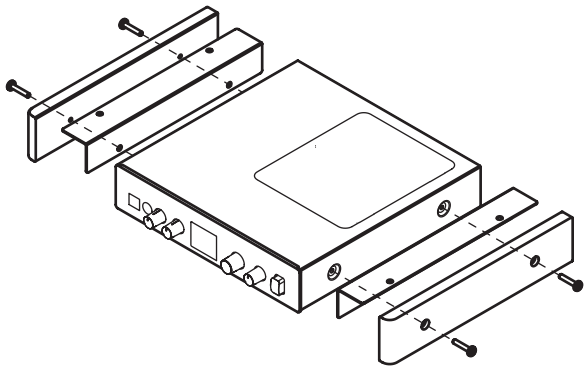
■ Attaching the Rubber feet

Attach the rubber feet that were supplied with the MX-200, as shown in the figure. Use the small holes on the bottom as a guide for positioning the rubber feet when attaching them.

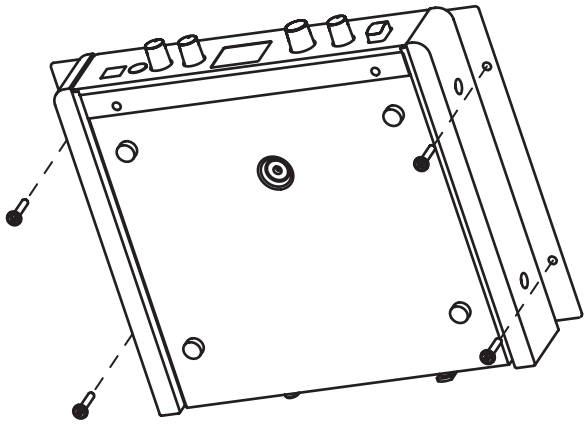


■ Attaching to the Lower Part of the Organ

1. **Remove the four screws securing the side boards.**
2. **Place the supplied brackets between the side boards and the instrument and secure with the screws removed in Step 1.**



3. **Secure the organ with the included screws.**



NOTE

Two or more persons are required to perform this installation. Be sure to use due care during the procedure. In performing the installation, carefully note the location of the input and output jacks, and choose a location where no obstruction will result.

Connecting to the Organ

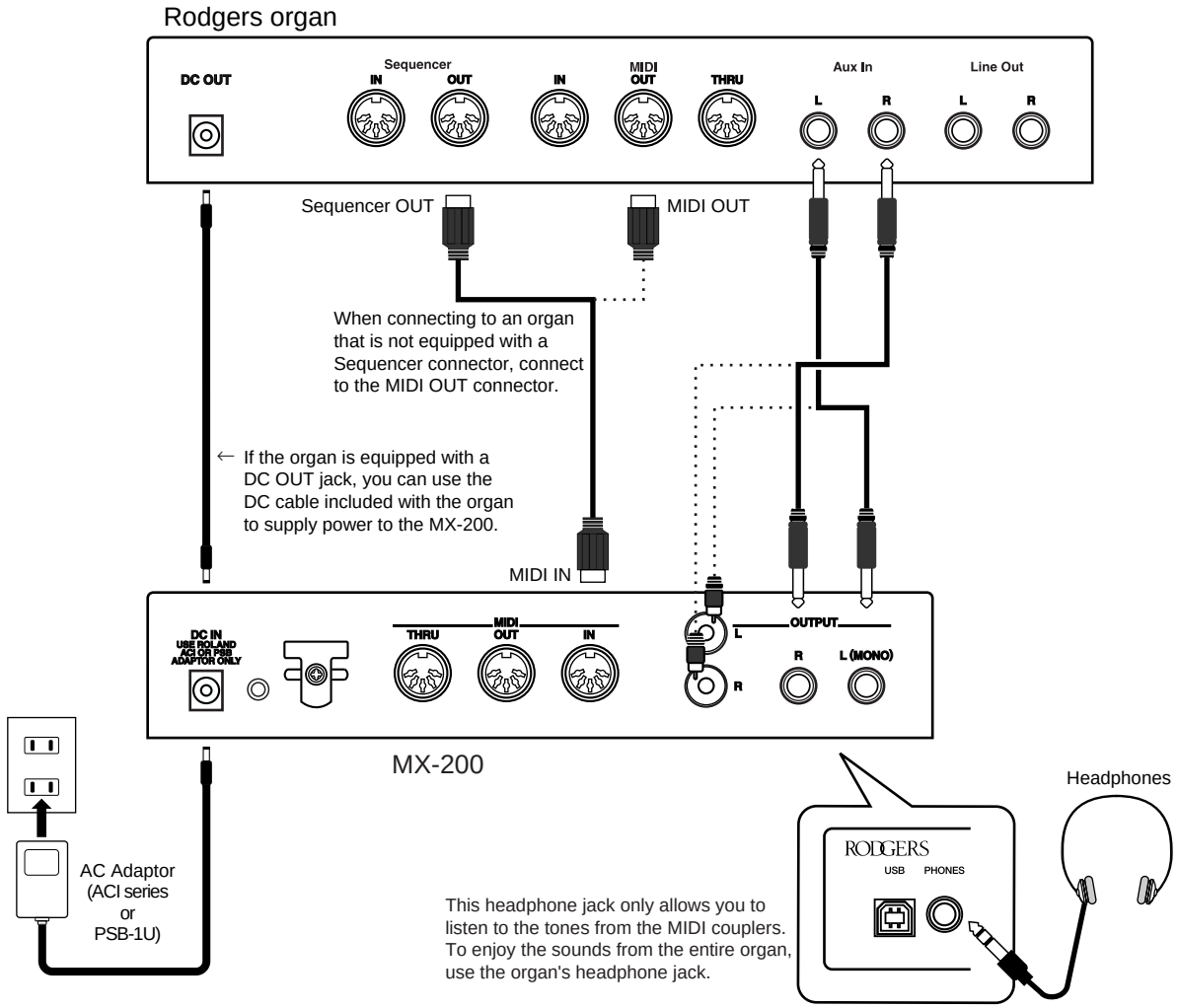
The MX-200 contains no amplifier or speakers. Refer to the diagram below and connect it to the organ.

NOTE

To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.

1. **Make sure that the power to all connected devices is turned off before making any connections.**
2. **Connect audio cables and MIDI cables as shown in the figure.**
3. **Connect the included AC adaptor to the DC IN jack, and plug into a power outlet.**

■ When Connecting Only the MX-200



NOTE

If you need to use the MX-200 monaurally, connect only to the L (MONO) OUTPUT phone jack.

NOTE

The MX-200's headphone output allows you to hear only the sounds made by the MX-200 itself. Use the organ's headphone output if you want to hear the MX-200's sounds combined with the organ sound through headphones.

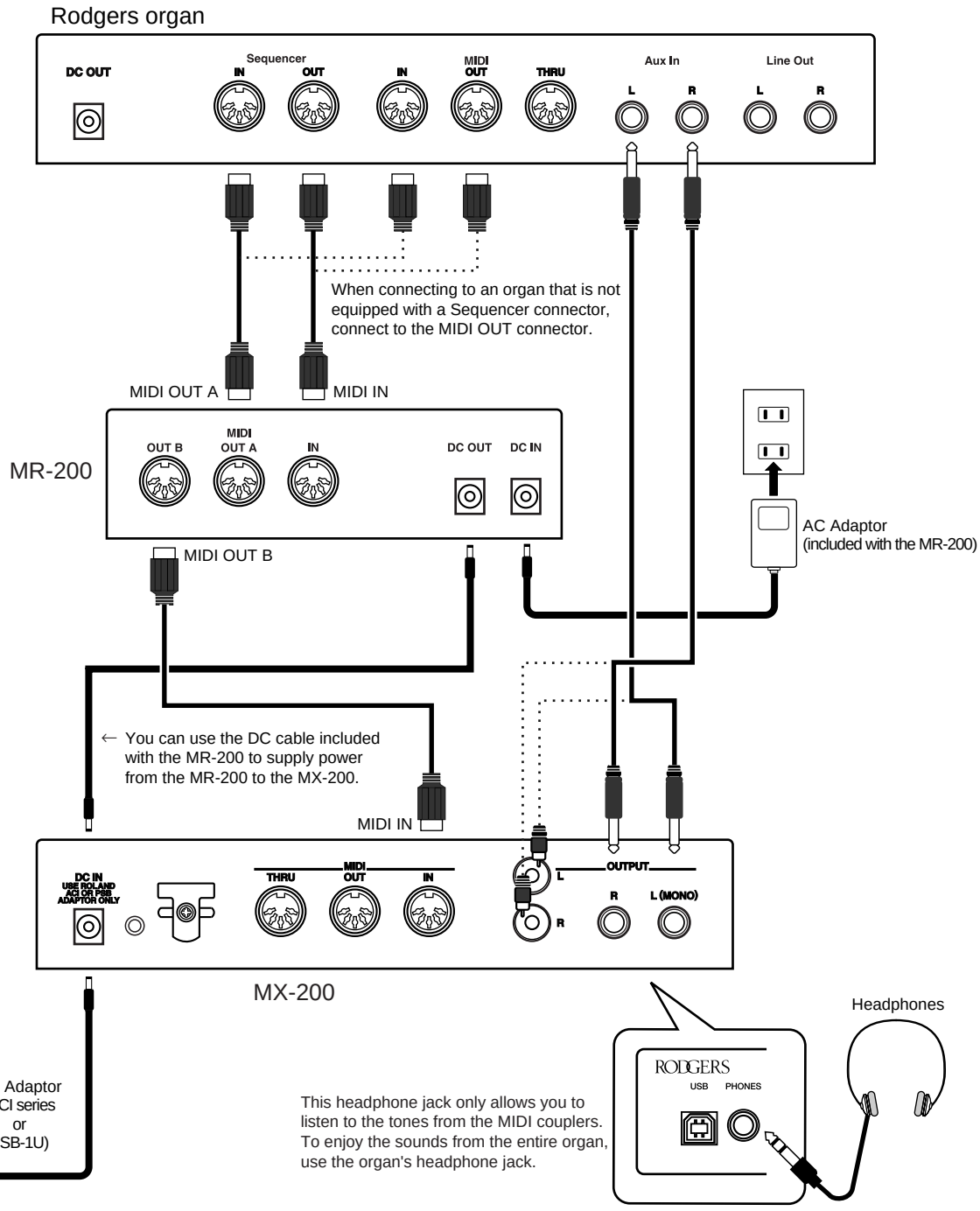
When Powering the MX-200 from the Organ

Certain Rodgers organs come equipped with a DC OUT jack for use with external devices. You can use this to supply power to the MX-200. The organ is equipped with a dedicated power cord; use this to connect the MX-200. This feature allows you to turn on the power to the MX-200 and the organ simultaneously.

MEMO

Leave the MX-200's POWER switch on at all times.

■ When Using the MX-200 Connected to an MR-200



When Powering the MX-200 from an MR-200

The MR-200 is equipped with a DC OUT jack for use with external devices. You can use this to supply power to the MX-200. This feature allows you to turn on the power to the MX-200 and the MR-200 simultaneously.

MEMO

Leave the MX-200's POWER switch on at all times.

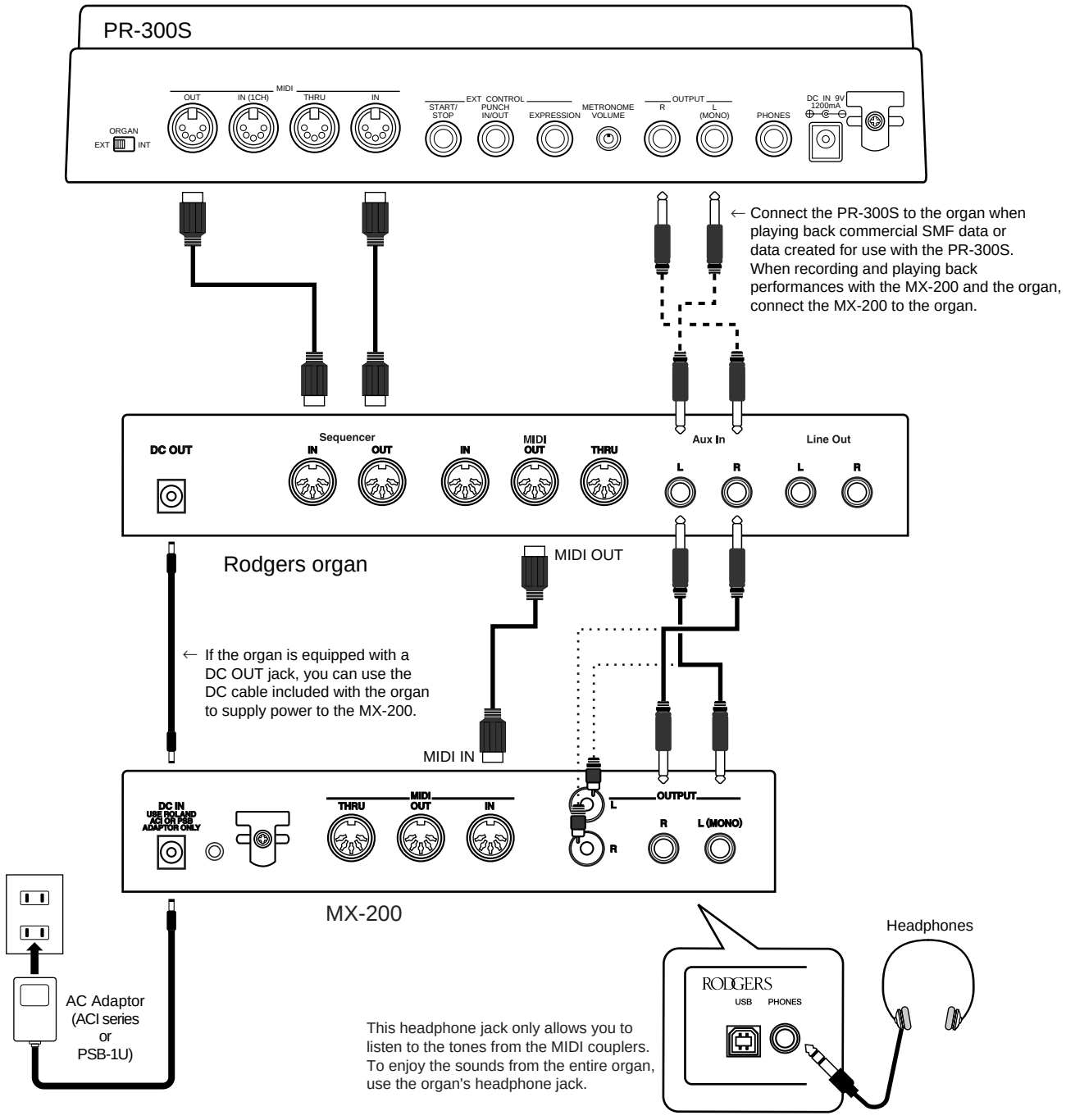
NOTE

When connecting the devices in this manner, use the 9V/2A adapter included with the MR-200.

NOTE

A Rodgers organ is capable of powering only one external device. It cannot be used to supply power to both the MR-200 and the MX-200. When powering the MR-200 from a Rodgers organ, do not use the MR-200's DC OUT jack.

■ When Using the MX-200 Connected to a PR-300S



Make the following settings when using the MX-200 in combination with the PR-300S:

- Set the MX-200's Tuning (p. 11) to 440.0 Hz.
- Set the MX-200's RECEIVE GM2 ON (p. 25) setting to OFF. → **Preventing the MX-200 From Switching to GM2 Mode** (p. 26)
- Set all of the PR-300S's MIDI channels to EXTERNAL (Ext). For instructions on making these settings, refer to the PR-300S Owner's Manual.

NOTE

Note the following points when making these connections.

- You cannot record performances in SMF format, nor can you play back SMF data.
- Using the Rodgers organ's tremulant stop does not apply the tremulant effect to the MX-200's tones (the tremulant effect may be obtained by selecting a tone that includes tremulant).
- The above connection is not available with Rodgers Insignia Series organs, as they feature only one MIDI OUT.

Tuning the Power ON/OFF

■ Turning On the MX-200

NOTE

Once the connections have been completed (pp. 18–20), turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.

1. **Press the MX-200's [POWER] button to turn on the power.**
2. **Turn on the power to other connected devices.**

* *This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.*

■ Turning Off the MX-200

1. **Turn off the power to the connected devices.**
2. **Press the MX-200's [POWER] button to turn off the power.**

Restoring the Factory Settings (Factory Reset)

When using the MX-200 for the first time, reset the unit to its original factory settings.

The following procedure resets all of the settings stored in the MX-200 to the original factory settings.

NOTE

As the result of executing the following procedure, all data stored within the unit will revert to the original factory condition. Do not perform this procedure after you've adjusted the settings to match your organ.

1. **Hold down [VOLUME] and press [VALUE] to enter Edit mode.**

   The "EDIT" MODE indicator lights.
2. **Turn [TONE CATEGORY] to select "CELESTE (SETUP MODE)."**

   The "SETUP" MODE indicator lights.
3. **Turn [PART] to select "3 (FACTORY RESET)."**

   "Fct" appears in the display.
4. **Press [VALUE].**

   "Sur" flashes, and a confirmation screen is displayed.
5. **Press [VALUE] once more to execute the Factory Reset.**

   Once completed, the MX-200 returns to the regular MX mode.

* *To cancel the procedure, press [VOLUME].*

Listening to the Demo Songs

Listen to the output of the sound to confirm that the MX-200 is properly connected.

1. **Press [VOLUME] to enter Demo mode.**
2. **Turn [VALUE] to select the demo song you want to hear.**
3. **Press [VALUE] to start the song.**
4. **Press [VALUE] once again to stop the song.**
5. **Press [VOLUME] to exit Demo mode.**

This concludes the setup procedure.

Adjusting your Organ

After setting up the unit, make the adjustments needed to get it to function in a manner that is suitable for the organ you are using.

Making Original Settings

Use the following procedures to adjust the MX-200 to the conditions in which it is to be used. Be sure to make these settings correctly in order to fully bring out the great sounds provided by the MX-200.

First make the global settings that are applied to the entire MX-200, then adjust the sounds for each part.

■ Selecting How the MX-200 is Used

The following procedure allows you to call up "preset" settings. Presets incorporate a complete range of settings in pre-programmed templates.

1. Hold down [VOLUME] and press [VALUE] to enter Edit mode.

The "EDIT" MODE indicator lights.

2. Turn [TONE CATEGORY] to select "CELESTE (SETUP MODE)."

The "SETUP" MODE indicator lights.

3. Turn [PART] to select "1 (SELECT ORGAN TYPE)."

The preset number ("P01" in the example) appears in the display.

4. Turn [VALUE] to select the preset number.

Select the organ type while referring to the following table.

Preset Number	Description of Settings
P01	**Settings for Rodgers organs** MUTE is OFF for Channels 1–11, ON for Channels 12–16.
P02	MUTE for all channels 1–16 is OFF
USr	Settings saved with the Write operation * Settings are written to USr if the Write operation is performed in Edit mode.

* *For more on the values of the Preset settings, refer to* ***Preset (P01, P02) Settings*** *(p. 46).*

■ Adjusting Equalizer

This procedure is used to fine-tune the frequency response of the sounds output by the MX-200 in accordance with your setup.

These are system-wide adjustments made to the entire MX-200.

These adjustments affect only the sound generator selected in DRY SEND in Edit mode. The frequency response of the reverb or chorus sounds being output are not changed.

1. Hold down [VOLUME] and press [VALUE] to enter Edit mode.

The "EDIT" MODE indicator lights.

2. Turn [TONE CATEGORY] to select "PEDAL (EQ HIGH GAIN)."

3. Turn [VALUE] to adjust the high-frequency gain.

You can adjust the level to values within the range from -15 to 15.

Under standard conditions, this is ordinarily set to "0."

4. Repeat Steps 2 and 3 for the remaining frequency ranges.

The reference frequencies for each EQ are shown below.

EQ HIGH GAIN (PEDAL)	2000 Hz
EQ MID H GAIN (THEATER)	1000 Hz
EQ MID L GAIN (ENSEMBLE)	400 Hz
EQ LOW GAIN (OTHERS)	200 Hz

5. Press [VOLUME] to exit Edit mode.

NOTE

After adjusting the EQ, use the Write operation (p. 24) to write the settings to the User area. The settings are cleared when you turn off the power unless they have been written to the User area.

Settings for Each Individual Part

The settings in the following table can be set separately for each part.

TONE CATEGORY Knob Position	Parameter	Value
MIXTURE	EQ ON/OFF	OFF, On
REED	TYPE	ton, rhy
FLUE	MUTE	OFF, On
PIANO	LEVEL	0–127
E.ORGAN	PAN	L64–63r
STRINGS	COARSE TUNE	-48–48
CHOIR	FINE TUNE	-50–50
BRASS	REVERB SEND	0–127
CHIMES	CHORUS SEND	0–127
PERC	DRY SEND	0–127

Procedure

1. **Hold down [VOLUME] and press [VALUE] to enter Edit mode.**

   The "EDIT" MODE indicator lights.

2. **Turn [TONE CATEGORY] to select the parameter.**

3. **Turn [VALUE] to adjust the setting.**

4. **Press [VOLUME] to exit Edit mode.**

Description of Each Parameter

■ EQ ON/OFF

This setting determines whether or not the EQ in each part is used.

As explained in the section **Adjusting Equalizer** (p. 22), adjustments to the EQ settings themselves are applied to the MX-200 overall. The EQ ON/OFF setting selects whether the internal EQ is used in each individual part.

■ Part Type

This selects whether a tone (ton) or rhythm set (rhy) is assigned to the selected part. Normally, a tone is assigned. Only rhythm sets are assigned to PART 10.

■ Part Mute

This setting determines whether sounds in each part are muted (ON), or played (OFF).

Rodgers organs feature 12 to 16 parts that are used in exchanging performance data. We recommend that these parts be muted to prevent their sounds from being played.

■ Part Level

These settings determine the volume level of each part.

They are used primarily to achieve a volume balance among the different parts.

■ Part Pan

These settings set the apparent position of the sound in each part.

A setting of L64 places the sound to the far left, 0 positions the sound at the center, and 63r puts the sound at the far right.

■ Part Coarse Tune

This sets the pitch of each part to a maximum four octaves up or down in semitone units.

This is indicated by the values -48 to 48.

■ Part Fine Tune

This sets the pitch of each part to a maximum half-semitone up or down in units of one cent (1/100th of a semitone).

■ Part Reverb Send Level

This sets the amount of reverb applied in each part. Set this to 0 for parts to which you do not want reverb applied. No EQ is applied to the reverb output.

■ Part Chorus Send Level

This sets the amount of chorus applied in each part. Set this to 0 for parts to which you do not want chorus applied. No EQ is applied to the chorus output.

■ Part Output Level (DRY SEND)

This sets the output level of the source sound from each part. You can apply EQ to this source sound.

Storing the Settings Within the MX-200 (Write Operation)

The settings described up to this point are cancelled when the power is turned off. Once you have finished making the necessary adjustments, use the Write operation to store the settings in the MX-200. After you perform the Write operation, then the next time you turn on the power to the MX-200, it operates according to the same settings as those previously recorded.

Procedure

1. **Hold down [VOLUME] and press [VALUE] to enter Edit mode.**

   The "EDIT" MODE indicator lights.

2. **Turn [TONE CATEGORY] to select "EXP (WRITE)."**

   "Wrt" appears in the display.

3. **Press [VALUE].**

   "Sur" flashes in the display, and a screen requesting your confirmation appears.

4. **Press [VALUE] once again.**

   The current settings are stored to the MX-200.

Recording the Settings to an External Sequencer

This describes how to connect a sequencer to the MX-200 and record the MX-200's settings to the sequencer.

Using DATA TRANSFER, the settings can be sent (from the MIDI OUT connector) to an external device. Then, using a sequencer such as the MR-200, you record these settings just as you would record a song. You can also save the recorded settings onto floppy disks or other storage media.

To use the recorded settings on the MX-200, get your sequencer to play back the settings that were saved.

■ Recording the Settings

1. **Connect the MX-200's MIDI OUT connector to the sequencer's MIDI IN connector.**
2. **Put the sequencer in record mode.**
3. **Hold down [VOLUME] and press [VALUE] to enter Edit mode.**

   The "EDIT" MODE indicator lights.

4. **Turn [TONE CATEGORY] to select "CELESTE (SETUP MODE)."**

   The "SETUP" MODE indicator lights.

5. **Turn [PART] to select "15 (DATA TRANSFER)."**

   "dtr" appears in the display.

6. **Press [VALUE].**

   "Sur" appears in the display.

7. **Begin recording with the sequencer.**
8. **Press [VALUE] to output the MX-200's settings data from the MIDI OUT connector.**

   The dot in the display flashes, indicating that transfer of the data is in progress.

9. **The data transfer is completed in about 20 seconds, and the MX-200 returns to the original MX/TUNE mode.**
10. **Stop recording with the sequencer.**

Save the recorded settings to a floppy disk or other media.

■ Calling Up the Settings from the Sequencer

1. **Connect the sequencer's MIDI OUT connector to the MX-200's MIDI IN connector.**
2. **Select and play back the recorded settings.**

   The MIDI indicator in the MX-200's display flashes at this time. If the indicator does not flash, it may be due to a mistake in the connections or in the sequencer settings.

   * *Play back the settings at the same tempo used during recording.*

3. **Playback is completed in about 20 seconds, and the MX-200 is programmed with the recorded settings.**

NOTE

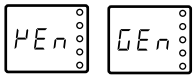
If transfer of the data is interrupted during playback, use Factory Reset to restore the MX-200 to its original factory settings (this results in the loss of the MX-200's settings). If possible, try calling up the settings again from the sequencer.

Other Settings

■ Making USB and MIDI Related Settings

Procedure

1. **Hold down [VOLUME] and press [VALUE] to enter Edit mode.**
2. **Turn [TONE CATEGORY] to select "CELESTE (SETUP MODE)."**
3. **Turn [PART] to select the parameter.**
4. **Turn [VALUE] to select the desired setting.**
5. **Press [VALUE] to set (write) the value.**
6. **Press [VOLUME] to exit Edit mode.**

PART Knob Position	Parameter	Value	Description
6	PERFORMANCE CONTROL CHANNEL	1–16, OFF	When MIDI messages from an external device are used to switch the MX-200's Organ Type setting, set the external device's transmission channel and this channel setting to the same channel. * After Factory Reset, this is set to "OFF." Do not change this setting unless you have a particular need to do so.
7	USB DESCRIPTOR	VEN, GEN 	This parameter will be used with future expansions. Although it normally does not affect operations, keep it set to "VEN" anyway. **VEN (VENDOR):** Select this setting. **GEN (GENERIC):** Do not select this setting.
8	MIDI-USB THRU	OFF, ON	This parameter will be used with future expansions. Ordinarily, you should keep this set at "OFF."
9	RECEIVE GM2 ON	OFF, ON	This setting determines whether GS RESET, GM SYSTEM ON, and GM 2 SYSTEM ON MIDI messages are received (ON), or not (OFF) (p. 26). * This is normally set to "ON." Set this to "OFF" only when recording the MX-200's tones while using the MX-200 in combination with a PR-300S.

* *With these parameters, changes in the settings are not reflected until the power is turned off and then on again. Furthermore, only the MX-200 can be used to make the settings.*

■ Checking the Program Version

Procedure

1. **Hold down [VOLUME] and press [VALUE] to enter Edit mode.**
2. **Turn [TONE CATEGORY] to select "CELESTE (SETUP MODE)."**
3. **Turn [PART] to "5 (VER.DISPLAY)."**

   The program version (number) is displayed.
4. **Press [VOLUME] to exit Edit mode.**

Using the MX-200 as a General MIDI 2/GS Sound Module

The MX-200 features a GM2 mode—a convenient way to play back or create General MIDI score data (music files for General MIDI sound module).

■ Entering GM2 Mode

GM2 mode refers to the mode in which the sound generator is readied for use with General MIDI System beforehand. Basically, this means that the GM System Rhythm Set is assigned to Part 10 and GM System Tones are assigned to other Parts.

Each time you enter GM2 mode, the GM Drum Set is assigned to Part 10, and Piano 1 is assigned to other Parts. You can also select other GM Tones and GM Rhythm Sets for each Part to match the performance.

Procedure for Switching to GM2 Mode

1. **Hold down [VOLUME] and press [VALUE] to enter Edit mode.**
2. **Turn [TONE CATEGORY] to select "CELESTE (SET UP MODE)."**
3. **Turn [PART] to select "13 (GM2 MODE)."**
4. **Turn [VALUE] to select "GM2."**
5. **Press [VALUE].**

   The "GM2" in the display stops flashing and remains lit, indicating that the MX-200 has switched to GM2 mode.

Exiting GM2 Mode

1. **Press [VOLUME].**

   The unit switches from GM2 mode to MX mode.

* *The MX-200 does not remember that it has been placed in GM2 mode. The instrument automatically reverts to MX mode (or Tune mode) each time the power is turned on.*

■ Initializing the Sound Generator for General MIDI System Basic Settings

To play back a General MIDI score correctly, the sound generator must first be initialized to basic GM system settings. The MX-200's sound generator is initialized in the following situations:

- When the MX-200 is switched to GM2 mode
- When it receives a GM/GM2 System On message from an external MIDI device
- When a GM/GM2 System On message is encountered in the song data being played back

GM/GM2 System On Message

The GM/GM2 System On messages put the unit in a state that conforms to the General MIDI System and initializes a General MIDI-compatible sound generator.

Preventing the MX-200 From Switching to GM2 Mode

When using the MX-200 connected to a PR-300S, you can set the MX-200 so that it does not switch to GM2 mode.

1. **Hold down [VOLUME] and press [VALUE] to enter Edit mode.**
2. **Turn [TONE CATEGORY] to select "CELESTE (SET UP MODE)."**
3. **Turn [PART] to select "9 (RECEIVE GM2 ON)."**
4. **Turn [VALUE] to select "OFF."**
5. **Press [VALUE].**

   The GS RESET, GM SYSTEM ON, and GM 2 SYSTEM ON MIDI messages will not be received.

* *Set this to "OFF" only when recording the MX-200's tones using the MX-200 in combination with a PR-300S.*

Bank Select and Program Change Correspondence Chart

Bank Select		PC	Tone Group
MSB	LSB		
0–63	–	001–128	GS Tones
65	0	001–128	Quick Key Map [Capitol Tones]
66		001–128	Quick Key Map [Variation 1]
67		001–128	Quick Key Map [Variation 2]
68		001–128	Quick Key Map [Variation 3]
69		001–128	Quick Key Map [Variation 4]
85	–	–	Do NOT select!
86	64	001	XV R&B KIT (r04)
		002	XV HOUSE KIT (r05)
		003	XV TECHNO KIT (r06)
		004	XV POP KIT (r07)
	65	001	XV ROCK KIT (r08)
		002	XV JAZZ KIT (r09)
		003	XV RUST KIT (r10)
		004	XV ORCHESTRA KIT (r011)
	127	001	GS STANDERD (r13)
		009	GS ROOM (r15)
		017	GS POWER (r17)
		025	GS ELECTRIC (r19)
		026	GS TR-808 (r21)
		033	GS JAZZ (r23)
		041	GS BRUSH (r25)
		049	GS ORCHESTRA (r27)
		057	GS SFX (r29)
		128	GS CM64/32L (r30)
87	64	001–128	Preset A
	65	001–128	Preset B
	66	001–128	Preset C
	67	001–128	Preset D
92	(*1)	(*1)	SRX Expansion Rhythm set
	127	001	MX ORCHESTRA (r01)
		002	MX GS ASSIGN (r02)
		003	MX MANUAL PERCUSSION (r03)
93	(*1)	(*1)	SRX Expansion Tones
	126	001–128	MX Tones (001–128)
	127	001–118	MX Tones (129–246)
120	0	001	GM2 STANDARD (r12)
		009	GM2 ROOM (r14)
		017	GM2 POWER (r16)
		025	GM2 ELECTRIC (r18)
		026	GM2 ANALOG (r20)
		033	GM2 JAZZ (r22)
		041	GM2 BRUSH (r24)
		049	GM2 ORCHESTRA (r26)
		057	GM2 SFX (r28)
121	0–9	001–128	GM/GM2 Tones
126	–	001–064	GS Tones (CM-64/32L) (PCM)
127	–	001–128	GS Tones (CM-64/32L) (LA)

*1: See SRX series Owner's Manual.

Tone List

Organ/Orchestral Tones

FLUE

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB	
001	1	93	126	32' Contre Geigen	84	65	0	
002	2	93	126	16' Montre	85	65	0	
003	3	93	126	16' Pommer	86	65	0	
004	4	93	126	8' Second Diapason	89	65	0	*1
005	5	93	126	8' Harmonic Flute	90	65	0	*1
006	6	93	126	8' First Diapason	88	65	0	
007	7	93	126	16' Quintadena	91	67	0	
008	8	93	126	8' Quintadena	91	65	0	*1
009	9	93	126	4' Major Flute	92	65	0	*1
010	10	93	126	1' Sifflute	93	65	0	
011	11	93	126	8' Second Diapason (with Trem)	89	66	0	
012	12	93	126	8' Harmonic Flute (with Trem)	90	66	0	
013	13	93	126	8' Quintadena (with Trem)	91	66	0	
014	14	93	126	4' Major Flute (with Trem)	92	66	0	

REED

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB	
001	15	93	126	16' Royal Trumpet	111	65	0	
002	16	93	126	8' Royal Trumpet	112	65	0	
003	17	93	126	4' Royal Trumpet	112	66	0	
004	18	93	126	8' Royal Tuba	113	65	0	
005	19	93	126	16' Posthorn	122	65	0	
006	20	93	126	8' Posthorn	122	66	0	
007	21	93	126	8' Kinura	121	65	0	*1
008	22	93	126	8' French Horn	107	65	0	*1
009	23	93	126	8' English Horn	109	65	0	*1
010	24	93	126	8' Cor d'Amour	108	65	0	*1
011	25	93	126	8' Vox Humana	110	65	0	*1
012	26	93	126	8' Kinura (with Trem)	121	66	0	
013	27	93	126	8' French Horn (with Trem)	107	66	0	
014	28	93	126	8' English Horn (with Trem)	109	66	0	
015	29	93	126	8' Cor d'Amour (with Trem)	108	66	0	
016	30	93	126	8' Vox Humana (with Trem)	110	66	0	

MIXTURE

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB	
001	31	93	126	IV Fourniture	94	65	0	
002	32	93	126	IV Scharf	95	65	0	
003	33	93	126	IV Grave Mixture	94	66	0	
004	34	93	126	IV Echo Mixture	94	67	0	
005	35	93	126	II Sesquialtera	96	65	0	*1
006	36	93	126	IV Cornet 4'	97	65	0	*1
007	37	93	126	II Jeu de Clochette	95	66	0	
008	38	93	126	5-1/3' Gross Quint	87	67	0	
009	39	93	126	3-1/5' Gross Terz	87	68	0	
010	40	93	126	8/9' None	93	66	0	
011	41	93	126	II Sesquialtera (with Trem)	96	66	0	
012	42	93	126	IV Cornet 4' (with Trem)	97	66	0	

*1: Linked to organ's tremulant

CELESTE

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	43	93	126	16' Cello Celeste II	98	65	0
002	44	93	126	16' Erzahler Celeste II	99	65	0
003	45	93	126	8' Cello Celeste II	101	65	0
004	46	93	126	8' Voce Umana II	88	66	0
005	47	93	126	8' Muted Viols II	102	65	0
006	48	93	126	4' Violina Celeste II	104	65	0
007	49	93	126	4' Erzahler Celeste II	105	65	0
008	50	93	126	4' Flute Celeste II	106	65	0
009	51	93	126	8' Voce Umana II	89	67	0
010	52	93	126	16' Viols Chorus II	100	65	0
011	53	93	126	8' Viols Chorus IV	103	65	0
012	54	93	126	4' Viols Chorus II	103	66	0

PEDAL

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	55	93	126	32' Untersatz	80	65	0
002	56	93	126	32' Posaune	82	65	0
003	57	93	126	32' Contra Violone	79	65	0
004	58	93	126	32' Bazuin	81	65	0
005	59	93	126	16' Posaune	83	65	0
006	60	93	126	21-1/3' Grave Diapente	87	66	0
007	61	93	126	10-2/3' Gross Quint	87	65	0
008	62	93	126	2' Zink	121	67	0

THEATER

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	63	93	126	16' Tibia Clausa	114	65	0
002	64	93	126	8' Tibia Clausa	115	65	0
003	65	93	126	5-1/3' Tibia Fifth	118	66	0
004	66	93	126	4' Tibia Piccolo	117	65	0
005	67	93	126	2-2/3' Tibia Twelfth	118	65	0
006	68	93	126	2' Tibia Piccolo	119	65	0
007	69	93	126	1' Tibia Fife	119	66	0
008	70	93	126	1-3/5' Tibia Tierce	118	67	0
009	71	93	126	8' Vox Humana	120	65	0

ENSEMBLE

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	72	93	126	Royal Trumpets 16', 8', 4'	112	67	0
002	73	93	126	Tibias 8', 4'	116	65	0
003	74	93	126	Tibias 8', 4', 2'	116	66	0
004	75	93	126	Tibias 16', 8', 4', 2'	116	67	0
005	76	93	126	Principal Chorus 8', 4', 2'	89	68	0

PIANO

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	77	93	126	Grand MX	2	65	0
002	78	93	126	Pop Piano MX	1	65	0
003	79	93	126	Sparkle Piano	2	66	0
004	80	93	126	Warm pF Mix	1	66	0
005	81	93	126	Honky Tonk MX	2	67	0
006	82	93	126	Y2K Concerto	3	65	0
007	83	93	126	Piano + Strings	3	66	0
008	84	93	126	Piano + Soft Pad	3	67	0
009	85	93	126	Stage 73	4	66	0
010	86	93	126	Fat Rhodes	4	65	0
011	87	93	126	Rholitzer	5	65	0
012	88	93	126	Smooth Rhodes	5	66	0
013	89	93	126	Hit Rhodes	4	67	0
014	90	93	126	Mr.Mellow	5	67	0
015	91	93	126	MX Accordion	24	65	0
016	92	93	126	Stereo Harpsichord	7	65	0
017	93	93	126	Harpsichord F/B/B4	8	65	0
018	94	93	126	Harpsichord F4/B	8	66	0
019	95	93	126	Harpsichord Front	7	66	0
020	96	93	126	Harpsichord Back	7	67	0

E.ORGAN

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	97	93	126	Rocker Spin	17	67	0
002	98	93	126	Soft Perky	17	65	0
003	99	93	126	Soft B	17	66	0
004	100	93	126	Ballad B	18	65	0
005	101	93	126	Perky B	18	66	0
006	102	93	126	Full Stops	19	67	0
007	103	93	126	Gospel Spin	18	67	0
008	104	93	126	D-50 Organ	19	66	0
009	105	93	126	Surf's Up!	19	65	0
010	106	93	126	Church Harmony	21	65	0
011	107	93	126	Cathedral	22	65	0
012	108	93	126	Wedding Mass	22	66	0
013	109	93	126	MX Church Organ 1	20	65	0
014	110	93	126	MX Church Organ 2	20	66	0
015	111	93	126	MX Church Organ 3	20	67	0

** The PC, MSB, and LSB appearing to the right of the Tone Name are the PC, MSB, and LSB used in the Quick Key Map (p. 44).*

STRINGS

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	112	93	126	Expressimo	30	66	0
002	113	93	126	MX Strings	50	65	0
003	114	93	126	Wide Strings	52	67	0
004	115	93	126	Film Octaves	52	66	0
005	116	93	126	Orchestral Strings	31	66	0
006	117	93	126	Harmonic Strings	38	65	0
007	118	93	126	My Orchestra	39	66	0
008	119	93	126	Full Orchestra	39	65	0
009	120	93	126	Lush Strings 2	51	65	0
010	121	93	126	Fat Strings	51	66	0
011	122	93	126	Ultra Smooth	50	66	0
012	123	93	126	Strings Ensemble	49	65	0
013	124	93	126	Contrabass Section	32	65	0
014	125	93	126	Octave Strings 1	32 (52)	66 (65)	0
015	126	93	126	Octave Strings 2	31	65	0
016	127	93	126	Slow Octave Strings	32	67	0
017	128	93	126	Full Tremolo	45	65	0
018	1	93	127	Marcato	49	66	0
019	2	93	127	Chamber Strings	28	65	0
020	3	93	127	Chamber Quartet	29	65	0
021	4	93	127	Full Chamber Strings	29	66	0
022	5	93	127	Violin/Cello 1	44	65	0
023	6	93	127	Baroque 1	28	66	0
024	7	93	127	Baroque 2	42	66	0
025	8	93	127	Lead 4x Violins	30	65	0
026	9	93	127	Full Pizzicato mp	46	67	0
027	10	93	127	Orchestral Pizzicato	46	65	0
028	11	93	127	Bass Pizzicato	46	66	0
029	12	93	127	Violin/Cello 2	44	66	0
030	13	93	127	Warm Violin	41	65	0
031	14	93	127	Slow Violin/Cello	42	65	0
032	15	93	127	Real Cello	43	65	0
033	16	93	127	Warm Cello	43	66	0

CHOIR

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	17	93	127	Real Choir	53	65	0
002	18	93	127	Boys Choir	54	66	0
003	19	93	127	Stereo Choir	53	66	0
004	20	93	127	Boys Choir Ooh	54	65	0
005	21	93	127	Spaced Voxx	53	67	0

BRASS

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	22	93	127	Orchestral Brass	63	65	0
002	23	93	127	Brassy Symphony	40	65	0
003	24	93	127	Valve Job	56	65	0
004	25	93	127	Fanfare	62	65	0
005	26	93	127	Soft Symphony	38	66	0
006	27	93	127	Voyager Brass	55	65	0
007	28	93	127	Massed Horns	64	65	0
008	29	93	127	Slow Dark Brass	55	66	0
009	30	93	127	French Horn Section	61	65	0
010	31	93	127	Soft Horns	61	66	0
011	32	93	127	Bright Horn	61	67	0
012	33	93	127	English Horn	70	65	0
013	34	93	127	Wood Symphony	76	66	0
014	35	93	127	Chamber Woods	77	65	0
015	36	93	127	Swell Ensemble	70	66	0
016	37	93	127	Fifes	74	67	0
017	38	93	127	Wind Wood	76	65	0
018	39	93	127	Wind Multi	77	66	0
019	40	93	127	Flute	74	66	0
020	41	93	127	Tender Flute	74	65	0
021	42	93	127	Oboe Vibrato	69	65	0
022	43	93	127	Oboe mf	69	66	0
023	44	93	127	MX Clarinet	72	65	0
024	45	93	127	Bass Clarinet	73	65	0
025	46	93	127	Clarinet mp	72	66	0
026	47	93	127	Bassoon/English Horn	71	65	0
027	48	93	127	New R&R Brass	62	66	0
028	49	93	127	Ceremonial	56	66	0
029	50	93	127	MX Trumpet	57	65	0
030	51	93	127	Cup Mute	60	65	0
031	52	93	127	Harmon Mute	60	66	0
032	53	93	127	Mellow Horn	57	66	0
033	54	93	127	Mild Trombone	58	65	0
034	55	93	127	Trombone	58	66	0
035	56	93	127	MX Tuba	59	65	0
036	57	93	127	Full Saxz	68	65	0
037	58	93	127	Sax Choir	68	66	0
038	59	93	127	Breathy Sax	67	67	0
039	60	93	127	Soprano Sax mf	65	65	0
040	61	93	127	Alto Sax	66	65	0
041	62	93	127	Solo Alto Sax	66	66	0
042	63	93	127	MX DynoTenor	67	65	0
043	64	93	127	Swingin' Bari	67	66	0
044	65	93	127	Pan Pipes	78	65	0
045	66	93	127	The Andes	78	67	0
046	67	93	127	Lochscapes	78	66	0
047	68	93	127	Soprano Recorder	75	65	0
048	69	93	127	Harmo Blues	23	65	0
049	70	93	127	MX Ocarina	75	66	0

CHIMES

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	71	93	127	Chime Bells	16	67	0
002	72	93	127	Tubular Bells	15	65	0
003	73	93	127	MX Glocken	10	65	0
004	74	93	127	Soft Celesta	9	65	0
005	75	93	127	Celestabox	9	66	0
006	76	93	127	Handbell	16	65	0
007	77	93	127	Belfry Chime	15	66	0
008	78	93	127	Church Bell	16	66	0
009	79	93	127	2020 Bell	10	67	0
010	80	93	127	2.2 Bell Pad	11	66	0
011	81	93	127	Stacc.Heaven	6	65	0
012	82	93	127	Morning Lite	6	66	0
013	83	93	127	Holiday Cheer	10	66	0
014	84	93	127	Music Bells	11	65	0

PERC

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB	
001	85	93	127	Concert Bass Drum	123	65	0	
002	86	93	127	Snare Roll	124	65	0	
003	87	93	127	Orchestral Snare	125	65	0	
004	88	93	127	Crash Cymbal	126	65	0	
005	89	93	127	Ride Cymbal	127	65	0	
006	90	93	127	Triangle	128	65	0	
007	91	93	127	MX Timpani 1	48	66	0	*2
008	92	93	127	MX Timpani 2	48	65	0	*2
009	93	93	127	Timpani Roll	37	65	0	*2
010	94	93	127	Orchestral Percussion Set	48	67	0	*3
011	95	93	127	True Vibe	12	66	0	
012	96	93	127	Warm Vibes	12	65	0	
013	97	93	127	Ambience Vibe	12	67	0	
014	98	93	127	Dyna Marimba	13	65	0	
015	99	93	127	MX Xylophone	14	65	0	

*2: Played only in the low-frequency range

*3: Played only with the fifth lowest key

OTHERS

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	100	93	127	Harp	47	65	0
002	101	93	127	Nice Guitar	25	67	0
003	102	93	127	Nylon Guitar	25	66	0
004	103	93	127	Steel Away	26	65	0
005	104	93	127	Soft Nylon	25	65	0
006	105	93	127	Thick Steel	26	66	0
007	106	93	127	Desert Crystal	25	69	0
008	107	93	127	Jazz Guitar Hall	27	65	0
009	108	93	127	MX Acoustic Bass	33	65	0
010	109	93	127	Nylon Bass	34	65	0
011	110	93	127	MX Fretless	36	66	0
012	111	93	127	Basic Fretless	36	65	0
013	112	93	127	Pop Bass	35	65	0
014	113	93	127	Tap Bass	35	66	0
015	114	93	127	Guitar & Pad	25	68	0
016	115	93	127	Air Pad	6	67	0
017	116	93	127	Glistening	6	68	0
018	117	93	127	Soaring Horns	64	66	0
019	118	93	127	Phazweep	6	69	0

** The PC, MSB, and LSB appearing to the right of the Tone Name are the PC, MSB, and LSB used in the Quick Key Map (p. 44).*

GM (General MIDI) Tones

MSB: 121

No.	Tone Name	LSB	PC
1	Piano 1	0	1
2	Piano 1w	1	
3	European Pf	2	
4	Piano 2	0	2
5	Piano 2w	1	
6	Piano 3	0	3
7	Piano 3w	1	
8	Honky-tonk	0	4
9	Honky-tonk 2	1	
10	E.Piano 1	0	5
11	St.Soft EP	1	
12	FM+SA EP	2	
13	Wurly	3	
14	E.Piano 2	0	6
15	Detuned EP 2	1	
16	St.FM EP	2	
17	EP Legend	3	
18	EP Phase	4	
19	Harpsichord	0	7
20	Coupled Hps.	1	
21	Harpsi.w	2	
22	Harpsi.o	3	
23	Clav.	0	8
24	Pulse Clav	1	
25	Celesta	0	9
26	Glockenspiel	0	10
27	Music Box	0	11
28	Vibraphone	0	12
29	Vibraphone w	1	
30	Marimba	0	13
31	Marimba w	1	
32	Xylophone	0	14
33	Tubular-bell	0	15
34	Church Bell	1	
35	Carillon	2	
36	Santur	0	16
37	Organ 1	0	17
38	Trem. Organ	1	
39	60's Organ 1	2	
40	70's E.Organ	3	
41	Organ 2	0	18
42	Chorus Or.2	1	
43	Perc. Organ	2	
44	Organ 3	0	19
45	Church Org.1	0	20
46	Church Org.2	1	
47	Church Org.3	2	
48	Reed Organ	0	21
49	Puff Organ	1	
50	Accordion Fr	0	22
51	Accordion It	1	
52	Harmonica	0	23
53	Bandoneon	0	24
54	Nylon-str.Gt	0	25
55	Ukulele	1	
56	Nylon Gt.o	2	
57	Nylon Gt.2	3	
58	Steel-str.Gt	0	26
59	12-str.Gt	1	
60	Mandolin	2	
61	Steel + Body	3	
62	Jazz Gt.	0	27
63	Pedal Steel	1	
64	Clean Gt.	0	28
65	Chorus Gt.	1	
66	Mid Tone GTR	2	
67	Muted Gt.	0	29
68	Funk Pop	1	
69	Funk Gt.2	2	
70	Jazz Man	3	
71	Overdrive Gt	0	30
72	Guitar Pinch	1	
73	DistortionGt	0	31
74	Feedback Gt.	1	
75	Dist Rtm GTR	2	
76	Gt.Harmonics	0	32
77	Gt. Feedback	1	
78	Acoustic Bs.	0	33
79	Fingered Bs.	0	34
80	Finger Slap	1	
81	Picked Bass	0	35
82	Fretless Bs.	0	36
83	Slap Bass 1	0	37
84	Slap Bass 2	0	38
85	Synth Bass 1	0	39
86	SynthBass101	1	
87	Acid Bass	2	
88	Clavi Bass	3	
89	Hammer	4	
90	Synth Bass 2	0	40
91	Beef FM Bass	1	
92	RubberBass 2	2	
93	Attack Pulse	3	
94	Violin	0	41
95	Slow Violin	1	
96	Viola	0	42
97	Cello	0	43
98	Contrabass	0	44
99	Tremolo Str	0	45
100	PizzicatoStr	0	46
101	Harp	0	47
102	Yang Qin	1	
103	Timpani	0	48
104	Strings	0	49
105	Orchestra	1	
106	60s Strings	2	
107	Slow Strings	0	50
108	Syn.Strings1	0	51
109	Syn.Strings3	1	
110	Syn.Strings2	0	52
111	Choir Aahs	0	53
112	Chorus Aahs	1	
113	Voice Oohs	0	54
114	Humming	1	
115	SynVox	0	55
116	Analog Voice	1	
117	OrchestraHit	0	56
118	Bass Hit	1	
119	6th Hit	2	
120	Euro Hit	3	
121	Trumpet	0	57
122	Dark Trumpet	1	
123	Trombone	0	58
124	Trombone 2	1	
125	Bright Tb	2	
126	Tuba	0	59
127	MutedTrumpet	0	60
128	MuteTrumpet2	1	
129	French Horns	0	61
130	Fr.Horn 2	1	
131	Brass 1	0	62
132	Brass 2	1	
133	Synth Brass1	0	63
134	Pro Brass	1	
135	Oct SynBrass	2	
136	Jump Brass	3	
137	Synth Brass2	0	64
138	SynBrass sfz	1	
139	Velo Brass 1	2	
140	Soprano Sax	0	65
141	Alto Sax	0	66
142	Tenor Sax	0	67
143	Baritone Sax	0	68
144	Oboe	0	69
145	English Horn	0	70
146	Bassoon	0	71
147	Clarinet	0	72
148	Piccolo	0	73
149	Flute	0	74
150	Recorder	0	75
151	Pan Flute	0	76
152	Bottle Blow	0	77
153	Shakuhachi	0	78
154	Whistle	0	79
155	Ocarina	0	80
156	Square Wave	0	81
157	MG Square	1	
158	2600 Sine	2	
159	Saw Wave	0	82
160	OB2 Saw	1	
161	Doctor Solo	2	
162	Natural Lead	3	
163	SequencedSaw	4	
164	Syn.Calliope	0	83
165	Chiffer Lead	0	84
166	Charang	0	85
167	Wire Lead	1	
168	Solo Vox	0	86
169	5th Saw Wave	0	87
170	Bass & Lead	0	88
171	Delayed Lead	1	
172	Fantasia	0	89
173	Warm Pad	0	90
174	Sine Pad	1	
175	Polysynth	0	91
176	Space Voice	0	92
177	Itopia	1	
178	Bowed Glass	0	93
179	Metal Pad	0	94
180	Halo Pad	0	95
181	Sweep Pad	0	96
182	Ice Rain	0	97
183	Soundtrack	0	98
184	Crystal	0	99
185	Syn Mallet	1	
186	Atmosphere	0	100
187	Brightness	0	101
188	Goblin	0	102
189	Echo Drops	0	103
190	Echo Bell	1	
191	Echo Pan	2	
192	Star Theme	0	104
193	Sitar	0	105
194	Sitar 2	1	
195	Banjo	0	106
196	Shamisen	0	107
197	Koto	0	108
198	Taisho Koto	1	
199	Kalimba	0	109
200	Bagpipe	0	110
201	Fiddle	0	111
202	Shanai	0	112
203	Tinkle Bell	0	113
204	Agogo	0	114
205	Steel Drums	0	115
206	Woodblock	0	116
207	Castanets	1	
208	Taiko	0	117
209	Concert BD	1	
210	Melo. Tom 1	0	118
211	Melo. Tom 2	1	
212	Synth Drum	0	119
213	808 Tom	1	
214	Elec Perc	2	
215	Reverse Cym.	0	120
216	Gt.FretNoise	0	121
217	Gt.Cut Noise	1	
218	String Slap	2	
219	Breath Noise	0	122
220	Fl.Key Click	1	
221	Seashore	0	123
222	Rain	1	
223	Thunder	2	
224	Wind	3	
225	Stream	4	
226	Bubble	5	
227	Bird	0	124
228	Dog	1	
229	Horse-Gallop	2	
230	Bird 2	3	
231	Telephone 1	0	125
232	Telephone 2	1	
233	DoorCreaking	2	
234	Door	3	
235	Scratch	4	
236	Wind Chimes	5	
237	Helicopter	0	126
238	Car-Engine	1	
239	Car-Stop	2	
240	Car-Pass	3	
241	Car-Crash	4	
242	Siren	5	
243	Train	6	
244	Jetplane	7	
245	Starship	8	
246	Burst Noise	9	
247	Applause	0	127
248	Laughing	1	
249	Screaming	2	
250	Punch	3	
251	Heart Beat	4	
252	Footsteps	5	
253	Gun Shot	0	128
254	Machine Gun	1	
255	Lasergun	2	
256	Explosion	3	

GS Tones

PIANO

PC	MSB	Tone Name
1	0	Piano 1
	8	Piano 1w
	16	Piano 1d
2	0	Piano 2
	8	Piano 2w
3	0	Piano 3
	8	Piano 3w
4	0	Honky-tonk
	8	HonkyTonk w
5	0	E.Piano 1
	8	Detuned EP1
	16	E.Piano 1v
	24	60s E.Piano
6	0	E.Piano 2
	8	Detuned EP2
	16	E.Piano 2v
7	0	Harpsichord
	8	Coupled Hps
	16	Harpsi.w
	24	Harpsi.o
8	0	Clav.

CHROMATIC PERCUSSION

PC	MSB	Tone Name
9	0	Celesta
10	0	Glockenspl
11	0	Music Box
12	0	Vibraphone
	8	Vib.w
13	0	Marimba
	8	Marimba w
14	0	Xylophone
15	0	Tubularbell
	8	Church Bell
	9	Carillon
16	0	Santur

ORGAN

PC	MSB	Tone Name
17	0	Organ 1
	8	Detuned Or1
	16	60's Organ1
	32	Organ 4
18	0	Organ 2
	8	Detuned Or2
	32	Organ 5
19	0	Organ 3
20	0	Church Org1
	8	Church Org2
	16	Church Org3
21	0	Reed Organ
22	0	Accordion F
	8	Accordion I
23	0	Harmonica
24	0	Bandoneon

GUITAR

PC	MSB	Tone Name
25	0	Nylon Gt.
	8	Ukulele
	16	Nylon Gt.o
	32	Nylon Gt.2
26	0	Steel Gt.
	8	12-str.Gt
	16	Mandolin
27	0	Jazz Gt.
	8	Hawaiian Gt
28	0	Clean Gt.
	8	Chorus Gt.
29	0	Muted Gt.
	8	Funk Gt.
	16	Funk Gt.2
30	0	OverdriveGt
31	0	Dist.Gt.
	8	Feedback Gt
32	0	Gt.Harmonix
	8	Gt.Feedback

BASS

PC	MSB	Tone Name
33	0	Acoustic Bs
34	0	Fingered Bs
35	0	Picked Bass
36	0	Fretless Bs
37	0	Slap Bass 1
38	0	Slap Bass 2
39	0	Syn.Bass 1
	1	Syn.Bass101
	8	Syn.Bass 3
40	0	Syn.Bass 2
	8	Syn.Bass 4
	16	Rubber Bass

STRINGS/ ORCHESTRA

PC	MSB	Tone Name
41	0	Violin
	8	Slow Violin
42	0	Viola
43	0	Cello
44	0	Contrabass
45	0	Tremolo Str
46	0	Pizzicato
47	0	Harp
48	0	Timpani

ENSEMBLE

PC	MSB	Tone Name
49	0	Strings
	8	Orchestra
50	0	SlowStrings
51	0	SynStrings1
	8	SynStrings3
52	0	SynStrings2
53	0	Choir Aahs
	32	Choir Aahs2
54	0	Voice Oohs
55	0	SynVox
56	0	Orchest.Hit

BRASS

PC	MSB	Tone Name
57	0	Trumpet
58	0	Trombone
	1	Trombone 2
59	0	Tuba
60	0	MuteTrumpet
61	0	French Horn
	1	Fr.Horn 2
62	0	Brass 1
	8	Brass 2
63	0	Syn.Brass 1
	8	Syn.Brass 3
	16	Analog Brs1
64	0	Syn.Brass 2
	8	Syn.Brass 4
	16	Analog Brs2

REED

PC	MSB	Tone Name
65	0	Soprano Sax
66	0	Alto Sax
67	0	Tenor Sax
68	0	BaritoneSax
69	0	Oboe
70	0	EnglishHorn
71	0	Bassoon
72	0	Clarinet

PIPE

PC	MSB	Tone Name
73	0	Piccolo
74	0	Flute
75	0	Recorder
76	0	Pan Flute
77	0	Bottle Blow
78	0	Shakuhachi
79	0	Whistle
80	0	Ocarina

SYNTH LEAD

PC	MSB	Tone Name
81	0	Square Wave
	1	Square
	8	Sine Wave
82	0	Saw Wave
	1	Saw
	8	Doctor Solo
83	0	SynCalliope
84	0	ChifferLead
85	0	Charang
86	0	Solo Vox
87	0	5th Saw
88	0	Bass & Lead

SYNTH PAD, etc

PC	MSB	Tone Name
89	0	Fantasia
90	0	Warm Pad
91	0	Polysynth
92	0	Space Voice
93	0	Bowed Glass
94	0	Metal Pad
95	0	Halo Pad
96	0	Sweep Pad

SYNTH SFX

PC	MSB	Tone Name
97	0	Ice Rain
98	0	Soundtrack
99	0	Crystal
	1	Syn Mallet
100	0	Atmosphere
101	0	Brightness
102	0	Goblin
103	0	Echo Drops
	1	Echo Bell
	2	Echo Pan
104	0	Star Theme

ETHNIC, etc

PC	MSB	Tone Name
105	0	Sitar
	1	Sitar 2
106	0	Banjo
107	0	Shamisen
108	0	Koto
	8	Taisho Koto
109	0	Kalimba
110	0	Bagpipe
111	0	Fiddle
112	0	Shanai

PERCUSSIVE

PC	MSB	Tone Name
113	0	Tinkle Bell
114	0	Agogo
115	0	Steel Drums
116	0	Woodblock
	8	Castanets
117	0	Taiko
	8	Concert BD
118	0	Melo. Tom 1
	8	Melo. Tom 2
119	0	Synth Drum
	8	808 Tom
	9	Elec Perc
120	0	Reverse Cym

SFX

PC	MSB	Tone Name
121	0	Gt.FretNoiz
	1	Gt.CutNoise
	2	String Slap
122	0	BreathNoise
	1	Fl.KeyClick
123	0	Seashore
	1	Rain
	2	Thunder
	3	Wind
	4	Stream
	5	Bubble
124	0	Bird
	1	Dog
	2	HorseGallop
	3	Bird 2
125	0	Telephone 1
	1	Telephone 2
	2	Creaking
	3	Door
	4	Scratch
	5	Wind Chimes
126	0	Helicopter
	1	Car-Engine
	2	Car-Stop
	3	Car-Pass
	4	Car-Crash
	5	Siren
	6	Train
	7	Jetplane
	8	Starship
	9	Burst Noise
127	0	Applause
	1	Laughing
	2	Screaming
	3	Punch
	4	Heart Beat
	5	Footsteps
128	0	Gun Shot
	1	Machine Gun
	2	Lasergun
	3	Explosion

CM-64 (PCM)

PC	MSB	Tone Name
1	126	Piano 2
2	126	Piano 2
3	126	Piano 2
4	126	Honky-tonk
5	126	Piano 1
6	126	Piano 2
7	126	Piano 2
8	126	E.Piano 1
9	126	Detuned EP1
10	126	E.Piano 2
11	126	Steel Gt.
12	126	Steel Gt.
13	126	12-str.Gt
14	126	Funk Gt.
15	126	Muted Gt.
16	126	Slap Bass 1
17	126	Slap Bass 1
18	126	Slap Bass 1
19	126	Slap Bass 1
20	126	Slap Bass 2
21	126	Slap Bass 2
22	126	Slap Bass 2
23	126	Slap Bass 2
24	126	Fingered Bs
25	126	Fingered Bs
26	126	Picked Bass
27	126	Picked Bass
28	126	Fretless Bs
29	126	Acoustic Bs
30	126	Choir Aahs
31	126	Choir Aahs
32	126	Choir Aahs
33	126	Choir Aahs
34	126	SlowStrings
35	126	Strings
36	126	SynStrings3
37	126	SynStrings3
38	126	Organ 1
39	126	Organ 1
40	126	Organ 1
41	126	Organ 2
42	126	Organ 1
43	126	Organ 1
44	126	Organ 2
45	126	Organ 2
46	126	Organ 2
47	126	Trumpet
48	126	Trumpet
49	126	Trombone
50	126	Trombone
51	126	Trombone
52	126	Trombone
53	126	Trombone
54	126	Trombone
55	126	Alto Sax
56	126	Tenor Sax
57	126	BaritoneSax
58	126	Alto Sax
59	126	Brass 1
60	126	Brass 1
61	126	Brass 2
62	126	Brass 2
63	126	Brass 1
64	126	Orchest.Hit

CM-64 (LA)

PC	MSB	Tone Name
1	127	Acou Piano1
2	127	Acou Piano2
3	127	Acou Piano3
4	127	Elec Piano1
5	127	Elec Piano2
6	127	Elec Piano3
7	127	Elec Piano4
8	127	Honkytonk
9	127	Elec Org 1
10	127	Elec Org 2
11	127	Elec Org 3
12	127	Elec Org 4
13	127	Pipe Org 1
14	127	Pipe Org 2
15	127	Pipe Org 3
16	127	Accordion
17	127	Harpsi 1
18	127	Harpsi 2
19	127	Harpsi 3
20	127	Clavi 1
21	127	Clavi 2
22	127	Clavi 3
23	127	Celesta 1
24	127	Celesta 2
25	127	Syn Brass 1
26	127	Syn Brass 2
27	127	Syn Brass 3
28	127	Syn Brass 4
29	127	Syn Bass 1
30	127	Syn Bass 2
31	127	Syn Bass 3
32	127	Syn Bass 4
33	127	Fantasy
34	127	Harmo Pan
35	127	Chorale
36	127	Glasses
37	127	Soundtrack
38	127	Atmosphere
39	127	Warm Bell
40	127	Funny Vox
41	127	Echo Bell
42	127	Ice Rain
43	127	Oboe 2001
44	127	Echo Pan
45	127	Doctor Solo
46	127	School Daze
47	127	Bellsinger
48	127	Square Wave
49	127	Str Sect 1
50	127	Str Sect 2
51	127	Str Sect 3
52	127	Pizzicato
53	127	Violin 1
54	127	Violin 2
55	127	Cello 1
56	127	Cello 2
57	127	Contrabass
58	127	Harp 1
59	127	Harp 2
60	127	Guitar 1
61	127	Guitar 2
62	127	Elec Gtr 1
63	127	Elec Gtr 2
64	127	Sitar

PC	MSB	Tone Name
65	127	Acou Bass 1
66	127	Acou Bass 2
67	127	Elec Bass 1
68	127	Elec Bass 2
69	127	Slap Bass 1
70	127	Slap Bass 2
71	127	Fretless 1
72	127	Fretless 2
73	127	Flute 1
74	127	Flute 2
75	127	Piccolo 1
76	127	Piccolo 2
77	127	Recorder
78	127	Pan Pipes
79	127	Sax 1
80	127	Sax 2
81	127	Sax 3
82	127	Sax 4
83	127	Clarinet 1
84	127	Clarinet 2
85	127	Oboe
86	127	Engl Horn
87	127	Bassoon
88	127	Harmonica
89	127	Trumpet 1
90	127	Trumpet 2
91	127	Trombone 1
92	127	Trombone 2
93	127	Fr Horn 1
94	127	Fr Horn 2
95	127	Tuba
96	127	Brs Sect 1
97	127	Brs Sect 2
98	127	Vibe 1
99	127	Vibe 2
100	127	Syn Mallet
101	127	Windbell
102	127	Glock
103	127	Tube Bell
104	127	Xylophone
105	127	Marimba
106	127	Koto
107	127	Sho
108	127	Shakuhachi
109	127	Whistle 1
110	127	Whistle 2
111	127	Bottleblow
112	127	Breathpipe
113	127	Timpani
114	127	Melodic Tom
115	127	Deep Snare
116	127	Elec Perc 1
117	127	Elec Perc 2
118	127	Taiko
119	127	Taiko Rim
120	127	Cymbal
121	127	Castanets
122	127	Triangle
123	127	Orche Hit
124	127	Telephone
125	127	Bird Tweet
126	127	OneNote Jam
127	127	Water Bell
128	127	Jungle Tune

Other Tones

PST-A MSB: 87, LSB: 64

PC	Tone Name	PC	Tone Name
1	Grand XV	65	Warm Vibes
2	RockPiano Ch	66	Dyna Marimba
3	Contemplate	67	Ambient Wood
4	Hall Grand	68	Nomad Perc
5	64voicePiano	69	Exotic Velo
6	Power Grand	70	Islands Mlt
7	E.Grand	71	Steel Drums
8	RD-1000	72	Soft Perky
9	MIDIed Grand	73	Soft B
10	SparklePiano	74	Gospel Spin
11	Warm pF Mix	75	Rocker Org
12	PianoStrings	76	Velvet Organ
13	Y2K Concerto	77	Rocker Spin
14	Piano+SftPad	78	Full Stops
15	R&Ballad Mix	79	Ballad B
16	West Coast	80	Mellow Bars
17	Hit Rhodes	81	Soap Opera
18	Full Rhodes	82	AugerMentive
19	Player's EP	83	Perky B
20	Retro Rhodes	84	Klubb Organ
21	Fat Rhodes	85	Drew's Bee
22	PingE Piano	86	Purple Spin
23	Rholitzer	87	Surf's Up!
24	Dig Rhodes	88	96 Years
25	Delicate EP	89	Glory Us Rok
26	Rhodes Mix	90	D-50 Organ
27	D-50 Rhodes	91	Cathedral
28	FM BellPiano	92	Church Harmn
29	FM Delight	93	Wedding Mass
30	Ring E.Piano	94	XV Accordion
31	XV Crystal	95	Harmo Blues
32	Rhodes Trem	96	Nylon Gtr
33	Waterhodes	97	Soft Nylon
34	PsychoRhodes	98	Steel Away
35	MK-80 Phaser	99	SteelRelease
36	SmoothRhodes	100	Thick Steel
37	EP+Mod Pad	101	XV Steel Gtr
38	Mr.Mellow	102	Comp'Steel
39	Wurlie	103	12str Guitar
40	PureSineKey	104	Nylozzicato
41	Dreams Sine	105	SpanishNight
42	Cutter Clav	106	Hybrid Nylon
43	Funky D6	107	DesertCrystl
44	Phaze Clav	108	Two+Ensemble
45	Nasty Clav	109	Clear Guitar
46	Velo-Rez Clv	110	Jz Gtr Hall
47	Analog Clav	111	LetterFrmPat
48	St.Harpsichd	112	JC Strat
49	Square Keys	113	Twin Strats
50	D-50 Stack	114	Plug n' Play
51	Stacc.Heaven	115	Swell Strat
52	Heavenals	116	Fab 4 Guitar
53	Morning Lite	117	Muted Gtr
54	HolidayCheer	118	Velo-Wah Gtr
55	Prefab Chime	119	Tube Smoke
56	2020 Bell	120	Creamy
57	2.2 Bell Pad	121	Blusey OD
58	Tria Bells	122	Crying Solo
59	Music Bells	123	Feed Me!
60	Childlike	124	RockYurSocks
61	Celestabox	125	Searing Lead
62	Chime Bells	126	Loud Lead
63	Belfry Chime	127	OD 5ths
64	True Vibe	128	Crunch Split

PST-B MSB: 87, LSB: 65

PC	Tone Name	PC	Tone Name
1	Rezodrive	65	Marcato
2	Hurtin'Tubes	66	String Ens
3	R&R Chunk	67	Marcato Str
4	Power Trip	68	Fat Strings
5	Pick Bass	69	UltraSmooth
6	Hip Bass	70	HybStringsXV
7	Homey Bass	71	ViolinCello
8	Tap Bass	72	Lead 4x Vlns
9	Pop Bass	73	ChmbrQuartet
10	TremCho Bs	74	FullChmbrStr
11	Nylon Bass	75	Film Octaves
12	XV Upright	76	Bass Pizz
13	XV Ac.Bass	77	JP-8 Str 1
14	XV Fretless	78	JP-8 Str 2
15	Basic F'less	79	Deep Strings
16	8-str F'less	80	Hold A Chord
17	LookMaNoFret	81	Tape Strings
18	Slap Bass 1	82	Symphonique
19	Slap Bass 2	83	Full Orchest
20	Slap Bass 3	84	My Orchestra
21	Sub Zero	85	Soft Symphny
22	SinusoidRave	86	Henry VIII
23	808 SynBass	87	Wood Symphny
24	Acid TB	88	Prelude
25	MC-TB Bass	89	TudorFanfare
26	TB Tra Bass	90	Brassy Symph
27	Cyber SynBs	91	4 Hits 4 You
28	2020 Reso Bs	92	Impact
29	Now Bass	93	Phase Hit
30	D9 Trcker	94	Tekno Hit
31	West End Bs	95	Reel Slam
32	TB Squelch	96	OffTheRecord
33	Detune Bass	97	3rdTeenChrd
34	FatPolyBass	98	Auto Chord
35	GarageBass	99	MOVE!
36	2020 OrgBs	100	Oboe mf
37	2020 JunoBs	101	Clarinet mp
38	Comp Bass	102	SwellEnsembl
39	2020 Bass 1	103	ChamberWoods
40	2020 Bass 2	104	Flute/Clari
41	StabSawBass	105	Wind Wood
42	2020 SquBs	106	Flute
43	Square Bass	107	Jazzer Flute
44	SQR+Sub Bs	108	VOX Flute
45	2020 Pls Bs	109	Pan Pipes
46	Grounded Bs	110	LegatoBamboo
47	2pole Bass	111	The Andes
48	4pole Bass	112	Deja Vlute
49	House Bass	113	Majestic Tpt
50	Bass Trap	114	Ballad Trump
51	Bass In Face	115	Mute TP mod
52	Ticker Bass	116	Harmon Mute
53	Klack Bass	117	Tpt Sect
54	Hugo Bass	118	NewR&RBrass
55	Mg Bass	119	Simply Brass
56	New Acid Grv	120	Valve Job
57	8VCO MonoSyn	121	Tower Trumps
58	Wonder Bass	122	BigBrassBand
59	S-Tone+SYNBS	123	Biggie Brass
60	Booty Bass	124	Lil'BigHornz
61	XV Strings	125	Sm.Brass Grp
62	St.Strings	126	Trombone
63	Dolce p/m/f	127	Trombone Atm
64	Sad Strings	128	Massed Horns

PST-C MSB: 87, LSB: 66

PC	Tone Name	PC	Tone Name
1	Voyager Brs	65	Velo Tekno
2	3 Osc Brass	66	Rezoid
3	Poly Brass	67	Booster Bips
4	Brass It!	68	Mental Chord
5	Archimede	69	House Chord
6	Breathy Brs	70	GenderBender
7	Triumph Brs	71	MinorIncidnt
8	P5 Polymod	72	Winky
9	FatSynBrass	73	Dance Zipper
10	True ANALOG	74	5ths in 4ths
11	Afro Horns	75	Ambi Voices
12	Sop.Sax mf	76	Intentions
13	Solo SoprSax	77	Pick It
14	Alto Sax	78	Analog Seq
15	Solo AltoSax	79	Sequalog
16	XV DynoTenor	80	Plik-Plok
17	Honker Bari	81	Big BPF
18	Sax Choir	82	Agent X
19	Full Saxz	83	Keep :-)
20	Swingin'Bari	84	Saw n' 202
21	P5_TB	85	RageInYouth
22	Soaring Saws	86	Happy Brass
23	FXM Saw Lead	87	LFO Trance
24	BOG	88	Syncrosonix
25	Square Roots	89	GermanBounce
26	Old School	90	Trance Fair
27	Retro Lead	91	Cyber Pad
28	Loud SynLead	92	S&H Pad
29	PortaSynLd	93	PressureDome
30	OSC Sync2020	94	Pulsatronic
31	Talking Box	95	Cyber Dreams
32	Blistering	96	Alive
33	MG Interval	97	Trancing Pad
34	Analog Lead	98	Acid JaZZ
35	5th Lead	99	Alternative
36	Classy Pulse	100	Acid Line
37	TubbyTriangl	101	Raggatronic
38	Square Lead	102	Temple of JV
39	2020SquLead	103	Blades
40	Creamer	104	Fooled Again
41	Belly Lead	105	Planet Asia
42	Flyin' High	106	Afterlife
43	SH-2000	107	Cultivate
44	Soft Tooth	108	Paz <==> Zap
45	Sine Lead	109	Strobe Mode
46	Smoothe	110	Albion
47	Basic Mg	111	Running Pad
48	LegatoJupitr	112	Rippling
49	Soaring Sqr	113	Random Pad
50	Soaring Sync	114	SoundtrkDANC
51	Nasal Spray	115	Flying Waltz
52	Soft Lead	116	Phazweep
53	House Piano	117	Mad Bender
54	Techno Dream	118	X-mod Reso
55	Organizer	119	Shapeshifter
56	Auto TB-303	120	Glistening
57	Dist TB-303	121	Atmospherics
58	Resojuice	122	Vektogram
59	B'on d'moov	123	Feedback VOX
60	Con Sequence	124	Helium Queen
61	Technoheadz	125	Halographix
62	Phunky DC	126	Shattered
63	Shortrave	127	Pure Tibet
64	Cross Fire	128	X-Tension

PST-D MSB: 87, LSB: 67

PC	Tone Name	PC	Tone Name
1	Dark Side	65	Dimensional
2	Dunes	66	Jupiterings
3	The Beast	67	3D Flanged
4	Ocean Floor	68	Glassy Pad
5	Cyber Space	69	2.2 Strings
6	Nexus	70	Moving Glass
7	ForestMoon	71	ShiftedGlass
8	Planet Meta	72	Heirborne
9	Predator 2	73	Translucence
10	Flashback	74	Darkshine
11	JUNO Keys	75	Shiny Pad
12	Poly Key	76	Analog Drama
13	Poly Saws	77	BandPass Mod
14	Dual Profs	78	Air Pad
15	Saw Mass	79	Soundtraque
16	Streamer	80	Octapad
17	Soft Puff	81	Fat Pad
18	Dreams East	82	GR700 Pad
19	Sugar Key	83	Rotary Pad
20	D50FantaPerc	84	Dawn 2 Dusk
21	Galactic	85	Aurora
22	Pulse Key	86	Morph Pad
23	Wire Pad	87	Sun Dive
24	Waspy Pulse	88	Sabbath Day
25	Glider	89	OvertoneScan
26	80s Retrosyn	90	December Sky
27	Powerwiggle	91	NothrnLights
28	Trance Saws1	92	Vocals: Boys
29	Trance Saws2	93	St. Choir
30	Don't Jump	94	Vocals: Ooh
31	AirSoThin	95	Pvox Oooze
32	Silicon Str	96	RandomVowels
33	PWM Strings	97	Brite Vox
34	Vintage Orch	98	Beauty Vox
35	106 Strings	99	Longing...
36	Modular Life	100	Enlighten
37	2020 Digital	101	Arasian Morn
38	Oscillations	102	Dark Vox
39	Greek Power	103	Belltree Vox
40	Soaring Hrns	104	Spaced Voxx
41	Rolling 5ths	105	Glass Voices
42	Spectre	106	Doos
43	Glass Orbit	107	Wavox
44	Hush Pad	108	Sitar
45	Pivotal Pad	109	Dulcimer
46	Spectre Vox	110	Dulcitar
47	Digital Vox	111	Drone Split
48	Stringsheen	112	MountainFolk
49	Combing	113	EastrnEurope
50	5th Sweep	114	Harp
51	MG Sweep	115	VelHarp)Harm
52	Hydrogen	116	Celtic Harp
53	BPFsweep Mod	117	AmbiPizza
54	Mod DirtyWav	118	CheesyPluk 1
55	X-mod Sweep	119	CheesyPluk 2
56	Silky Way	120	Taj Mahal
57	Gluey Pad	121	Cairo lead
58	Dreamesque	122	Lochscapes
59	Analogue Str	123	Celtic Song
60	JX SqrCarpet	124	Far East
61	Pulsify	125	Slap Timps
62	JP-8Haunting	126	Tape Q
63	Earth Blow	127	Gruvacious
64	Jet Pad	128	Blue Notes

Rhythm Set List

Organ/Orchestral Group

Preset Group

Note No.	r01 (PC: 1) MX ORCHESTRA	r02 (PC: 2) MX GS ASSIGN	r03 (PC: 3) MX MANUAL PERCUSSION	r04 (PC: 1) XV R&B KIT	r05 (PC: 2) XV HOUSE KIT
27	-----	Close HiHat2	-----	-----	-----
28	-----	Pedal HiHat2	-----	Dance Kick	House Kick 6
29	-----	Open HiHat2	-----	Dry Kick	House Kick 5
30	-----	Ride Cymbal	-----	R&B SN Roll	House ClHH 3
31	-----	SticksSide	-----	Hybrid Kick1	House Kick 4
32	-----	R8 Click	-----	R&B SN Ghost	Reso Stick
33	-----	Metronome 2	-----	Round Kick	House Kick 3
34	BD Roll	Metronome 1	-----	R&B PdHH	House OpHH 2
35	Concert BD 1	Concert BD	-----	R&B Kick 2	House Kick 2
C2 36	OrchSnr Roll	ConcertBD Mt	MalletCymbal	R&B Kick 1	House Kick 1
37	Orch Snr	Side Stick	Orch Snr	R&B Stick	House Stick
38	Gong	Concert Snr	OrchSnr Roll	R&B SN 1	House SN 1
39	Tam Tam	Castanets	Concert BD 1	Snare Ghost	House Claps1
40	Grongkas	Concert Snr	Crash Cymbal	R&B SN 2	House SN 2
41	Timpani 2	Timpani	Gong	R&B Tom L	House NzTomL
42	Timpani 2	Timpani	Open Triangl	R&B ClHH 1	House ClHH 1
43	Timpani 2	Timpani	-----	Rock Flm L	808 Tom L
44	Timpani 2	Timpani	-----	R&B ClHH 2	House ClHH 2
45	Timpani 2	Timpani	-----	R&B Tom M	House NzTomM
46	Timpani 2	Timpani	-----	R&B OpHH	House OpHH 1
47	Timpani 2	Timpani	-----	Rock Flm M	808 Tom M
C3 48	Timpani 2	Timpani	-----	R&B Tom H	House NzTomH
49	Timpani 2	Timpani	-----	R&B CrCym1	House CrCym
50	Timpani 2	Timpani	-----	Rock Flm H	808 Tom H
51	Timpani 2	Timpani	-----	Rock RdCym1	House FbkCym
52	Timpani 2	Timpani	-----	R&B CrCym2	House SN 3
53	Timpani 2	Timpani	-----	Rock RdCym2	House FSnaps
54	Crash Cymbal	Tambourine	-----	Tambourine	House ClHH 4
55	Cymbal Hit	Splash Cym	-----	Rock CrCym	House Cowbel
56	MalletCymbal	Cowbell	-----	Cowbell Lo	House ClHH 5
57	CymbalScrape	Con.Cymbal2	-----	Crash	House WBlock
58	OrchestraHit	Vibraslap	-----	Cowbell Hi	House OpHH 3
59	Orch Hit f	Concert Cym	-----	Ride Bell	House Claps2
C4 60	Orch Hit Maj	Bongo High	-----	Bongo Hi	House Cabasa
61	Orch Hit Min	Bongo Low	-----	Bongo Lo	House WCrak
62	OrchPrc Hit	Mute H.Conga	-----	Cga Mute Hi	House VoxNz
63	Perc Hit 2	Conga Hi Opn	-----	Cga Open Hi	House Kick 7
64	Finger Cym 2	Conga Lo Opn	-----	Cga Open Lo	Timpani
65	Wind Chime 2	High Timbale	-----	Timbale Hi	House Bird
66	JingleBell 2	Low Timbale	-----	Timbale Lo	House Gun 1
67	Sleigh Bell	Agogo High	-----	R&B AgBel1	House FBell
68	Church Bells	Agogo Low	-----	R&B AgBel2	House Rattle
69	Mute Triangl	Cabasa	-----	R&B AgBel3	House RvOHit
70	Open Triangl	Maracas	-----	Maracas	House Noize1
71	TunedBlockHi	ShortWhistle	-----	606 Cl HiHat	House Noize2
C5 72	TunedBlockLo	Long Whistle	-----	606 Cl HiHat	House BongoL
73	Tambourine	Short Guiro	-----	606 Op HiHat	House BongoH
74	Castanets 1	Long Guiro	-----	Long Guiro	House Tambrn
75	Castanets 2	Claves	-----	Claves	House Heart
76	Slapstick	Woodblock H	-----	Wood BlockHi	House CgaSlp
77	Ratchet	Woodblock L	-----	Wood BlockLo	House CgMute
78	Perc Hit 1	Mute Cuica	-----	R&B Pizz	House Tri
79	Timp Roll p	Open Cuica	-----	R&B Gamelan	House Vibra
80	Timp Roll f	MuteTriangl	-----	Mute Triangl	House FXLoop
81	F.Horn Rip	OpenTriangl	-----	Open Triangl	House Aplase
82	Harp Maj Up	ShakerCabasa	-----	R&B Thrill L	House Chord
83	Harp Maj Dwn	Jingle Bell	-----	R&B Thrill H	House OrcHit
C6 84	TubularBells	Bell Tree	-----	808 SN	House Spectr
85	TubularBells	Castanets	-----	R&B WoodBlk	House Train
86	TubularBells	Mute Surdo	-----	R&B Cga Slap	House StrSip
87	TubularBells	Open Surdo	-----	Dry Tom L	House Crunch
88	TubularBells	Applause	-----	Lite Kick	House Tel
89	TubularBells	-----	-----	Hybrid Kick2	House Bubble
90	TubularBells	-----	-----	Old Kick	Bird
91	TubularBells	-----	-----	Pop Voice	House Gun 2
92	TubularBells	-----	-----	Wind Agogo	House Metro
93	TubularBells	-----	-----	OpHH FX 1	House BakHit
94	TubularBells	-----	-----	Anklungs	House TekHit
95	TubularBells	-----	-----	OpHH FX 2	House SNRoll
C7 96	Applause	-----	-----	Metronome 2	House Loop
97	Metronome 2	-----	-----	R8 Click	R8 Click
98	R8 Click	-----	-----	Metronome 1	Metronome
99	Metronome 1	-----	-----	R&B HClaps	Hand Claps
100	-----	-----	-----	Scratch 1	House Tom L
101	-----	-----	-----	Scratch 2	House Tom M
102	-----	-----	-----	Scratch 3	House Rim
103	-----	-----	-----	Syn FX Loop	House Tom H
	MSB: 92 LSB: 127	MSB: 92 LSB: 127	MSB: 92 LSB: 127	MSB: 86 LSB: 64	MSB: 86 LSB: 64

Preset Group

Note No.	r06 (PC: 3) XV TECHNO KIT	r07 (PC: 4) XV POP KIT	r08 (PC: 1) XV ROCK KIT	r09 (PC: 2) XV JAZZ KIT	r10 (PC: 3) XV RUST KIT	r11 (PC: 4) XV ORCHESTRA KIT
	-----	-----	-----	-----	-----	-----
27	TechnoKick 6	Dance Kick	Dance Kick	JazzDry Kick	70s Kick 3	Old Kick
28	TechnoKick 5	Dry Kick	Round Kick	Pillow Kick	Old Kick	Round Kick
29	TechnoClHH 4	Rock Roll	Rock Roll	Jazz Swish	Rock Roll	SN Roll
30	TechnoKick 4	Hybrid Kick1	Jazz Kick	Hybrid Kick	909 Kick 2	Jazz Kick
31	TechnoSNGhst	Snare Ghost	Rock Ghost	Snare Ghost	Rock Ghost	Snare Ghost
32	TechnoKick 3	Round Kick	Verb Kick	MplLmtr Kick	909 Kick 1	Verb Kick
33	TechnoClHH 3	Rock PdHH	Rock PdHH	Jazz PdHH	Rock PdHH	Pedal HiHat1
34	TechnoKick 2	Hybrid Kick2	Maple Kick	JazzDry Kick	808Kick Long	Concert BD 2
35	TechnoKick 1	Old Kick	Rock Kick	Jazz Kick	Dance Kick 1	Concert BD 1
C2 36	TechnoStick	Side Stick	RockStick	SideStick	RockStick	Side Stick
37	TechnoSN 1	Wet SN	Rock SN 1	Jz SN w/Ghst	Old Fill SN	Concert SN
38	808 Clap	Snare Ghost	Rock Ghost	Jazz SN Ghst	Rock Ghost	Snare Ghost
39	TechnoSN 2	AmbientSN	Rock SN 2	Jz SN w/Rim	Rock SN	Snare Roll
40	TechnoTom1 L	Maple Tom L	Rock Tom L	Jazz Tom L	Elec.Tom L2	Timpani
41	TechnoClHH 1	Rock ClHH 1	Rock ClHH 1	Jazz Pedel	Rock ClHH1	Timpani
42	TechnoTom2 L	Rock Flm L	Rock Flm L	Jazz Flm L	Elec.Tom L1	Timpani
43	TechnoClHH 2	Rock ClHH 2	Rock ClHH 2	Jazz ClHH	Rock ClHH2	Timpani
44	TechnoTom1 M	Maple Tom M	Rock Tom M	Jazz Tom M	Elec.Tom M	Timpani
45	TechnoOpHH	Rock OpHH	Rock OpHH	Jazz OpHH	Rock OpHH	Timpani
46	TechnoTom2 M	Rock Flm M	Rock Flm M	Jazz Flm M	Elec.Tom M	Timpani
47	TechnoTom1 H	Maple Tom H	Rock Tom H	Jazz Tom H	Elec.Tom H	Timpani
C3 48	TechnoCrCym	Crash Cymbal	Rock CrCym1	Jazz CrCym	Rock CrCym1	Timpani
49	TechnoTom2 H	Rock Flm H	Rock Flm H	Jazz Flm H	Elec.Tom H	Timpani
50	TechnoCym	Rock RdCym1	Rock RdCym1	Jazz RdCym	Rock RdCym1	Timpani
51	TechnoRvSNRl	Crash 1	Rock China	Rock RdCym1	Rock CrCym2	Timpani
52	808 Crash	Rock RdCym2	Rock RdCym2	Rock RdCym2	Rock RdCym2	Timpani
53	TechnoBrSlap	Tambourine	Tambourine	Tambourine	Tambourine 1	Tambourine 1
54	TechnoNzStik	Rock CrCym	Rock CrCym2	Crash 1	Rock Splash	Crash 1
55	TechnoClHH 5	Cowbell Lo	Cowbell Lo	Cowbell Lo	Cowbell	Cowbell
56	TechnoSNRoll	Crash 2	Crash	Crash 2	China Cym	Crash 2
57	TechnoRvJzRl	Cowbell Hi	Cowbell Hi	Cowbell Hi	Vibraslap	Ride 1
58	TechnoSiren	Ride Bell	Ride Bell	Ride Bell	70s Kick 2	Ride 2
59	TechnoLoop	Cga Mute Hi	Cga Mute Hi	Cga Mute Hi	70s Kick 1	Bongo Hi
C4 60	TechnoLoNz	Cga Mute Lo	Cga Mute Lo	Cga Mute Lo	Dry Stick	Bongo Lo
61	TechnoRdCym	Cga Slap	Cga Slap	Cga Slap	70s SN	Cga Mute Hi
62	TechnoCowbel	Cga Open Hi	Cga Open Hi	Cga Open Hi	Finger Snaps	Cga Open Hi
63	TechnoTel	Cga Open Lo	Cga Open Lo	Cga Open Lo	HumanClapsEQ	Cga Open Lo
64	TechnoTimpni	Timbale Hi	Timbale Hi	Timbale Hi	JD Cowbell	Timbale Hi
65	TechnoClHH 6	Timbale Lo	Timbale Lo	Timbale Lo	70s Cl HiHat	Timbale Lo
66	TechnoRvOHit	AgogoBellsHi	AgogoBellsHi	AgogoBellsHi	AgogoBells	AgogoBellsHi
67	TechnoRvTHit	AgogoBellsLo	AgogoBellsLo	AgogoBellsLo	70s Cl HiHat	AgogoBellsLo
68	TechnoRvBHt1	Cabasa Up	Cabasa Up	Cabasa Up	909 NZ HiHat	Cabasa Up
69	TechnoRvBHt2	Maracas	Maracas	Maracas	70s Op HiHat	Maracas
70	TechnoWBlock	ShortWhistle	ShortWhistle	ShortWhistle	Cabasa Up	ShortWhistle
71	TechnoKick 7	Long Whistle	Long Whistle	Long Whistle	Long Whistle	Long Whistle
C5 72	TechnoClHH 7	Short Guiro	Short Guiro	Short Guiro	REV RkOpHH f	Short Guiro
73	TechnoRim 1	Long Guiro	Long Guiro	Long Guiro	Tambourine 2	Long Guiro
74	TechnoRim 2	Claves	Claves	Claves	REV JzOpHH f	Claves
75	TechnoBrRoll	WoodBlock Hi	WoodBlock Hi	WoodBlock Hi	Scratch	WoodBlock Hi
76	TehcnoIcRain	WoodBlock Lo	WoodBlock Lo	WoodBlock Lo	Mute Triangl	WoodBlock Lo
77	TechnoThrill	Mute Cuica	Mute Cuica	Mute Cuica	909 Cl HiHat	Cuica Hi
78	TechnoSN 3	Open Cuica	Open Cuica	Open Cuica	Open Triangl	Cuica Lo
79	TechnoWCrak	Mute Triangl	Mute Triangl	Mute Triangl	909 Cl HiHat	Mute Triangl
80	TechnoScrach	Open Triangl	Open Triangl	Open Triangl	Cabasa	Open Triangl
81	TechnoBNz	Cabasa Cut	Cabasa Cut	Cabasa Cut	909 Op HiHat	Cabasa Cut
82	TechnoSN 4	Spectrum	Spectrum	Spectrum	Spectrum	Spectrum
83	TechnoPunch	Wind Chimes	Wind Chimes	Wind Chimes	Maple Kick	Wind Chimes
C6 84	TehcnoPlink	Wood Block	Wood Block	Wood Block	Woody Stick	Wood Block
85	TechnoRvRoll	Mute Surdo	Mute Surdo	Mute Surdo	Maple SN	Cga Slap
86	TechnoOSC	Open Surdo	Open Surdo	Open Surdo	SN Roll	Dry Tom Lo
87	TechnoNz 1	Lite Kick	Lite Kick	Lite Kick	Maple Tom	Applause
88	TechnoTkHit	Hybrid Kick3	Hybrid Kick	Hybrid Kick	909 Kick 1	Hybrid Kick2
89	TechnoBubble	Old Kick	Old Kick	Old Kick	Old Kick	Cl HiHat
90	TechnoNz 2	Pop Voice	Pop Voice	Pop Voice	808Kick Shrt	Round Kick
91	TechnoNz 3	Wind Agogo	Wind Agogo	Wind Agogo	909 SN 2	Pedal HiHat2
92	TechnoNz 4	OpHH FX 1	OpHH FX 1	OpHH FX 1	909 SN 1	Natural SN
93	TechnoPwChrd	Anklungs	Anklungs	Anklungs	808 SN	Op HiHat
94	TechnoBckHit	OpHH FX 2	OpHH FX 2	OpHH FX 2	Dance Kick 2	Brush Slap
95	TechnoNz 5	Metronome 2	Metronome 2	Metronome 2	REV Timpani	Brush Swish
C7 96	R8 Click	R8 Click	R8 Click	R8 Click	R8 Click	Brush Roll
97	TechnoNz 6	Metronome 1	Metronome 1	Metronome 1	Metronome	SN Roll
98	Hand Claps	Hand Claps	Hand Claps	Hand Claps	808 Claps	Orch Cymbal
99	TechnoKick 8	Rock CrCym	Rock CrCym1	Jazz CrCym	Rock CrCym2	Cabasa Cut
100	TechnoKick 9	Rock RdCym2	Rock China	Crash 2	Rock Splash	Claves
101	TechnoSN 5	Cowbell Lo	Rock RdCym2	Rock RdCym2	Rock RdCym2	Tambourine 2
102	TechnoClHH 8	Crash 1	Crash	Crash 1	Rock CrCym1	Orch. Hit
103	MSB: 86	MSB: 86	MSB: 86	MSB: 86	MSB: 86	MSB: 86
	LSB: 64	LSB: 64	LSB: 65	LSB: 65	LSB: 65	LSB: 65

GM2/GS Group

Note No.	r12 (PC: 1) GM2 STANDARD	r13 (PC: 1) GS STANDARD	r14 (PC: 9) GM2 ROOM	r15 (PC: 9) GS ROOM	r16 (PC: 17) GM2 POWER	r17 (PC: 17) GS POWER
27	High-Q	High Q	High-Q	High Q	High-Q	High Q
28	Slap	Slap	Slap	Slap	Slap	Slap
29	ScratchPush	Scratch Push	ScratchPush	Scratch Push	ScratchPush	Scratch Push
30	ScratchPull	Scratch Pull	ScratchPull	Scratch Pull	ScratchPull	Scratch Pull
31	Sticks	Sticks	Sticks	Sticks	Sticks	Sticks
32	SquareClick	Square Click	SquareClick	Square Click	SquareClick	Square Click
33	Mtrnm.Click	Metronome Click	Mtrnm.Click	Metronome Click	Mtrnm.Click	Metronome Click
34	Mtrnm. Bell	Metronome Bell	Mtrnm. Bell	Metronome Bell	Mtrnm. Bell	Metronome Bell
35	Mix Kick	Kick Drum2	Mix Kick	Kick Drum2	Mix Kick	Kick Drum2
C2 36	Standard KK1	Kick Drum1	Standard KK1	Kick Drum1	Power Kick1	MONDO Kick
37	Side Stick	Side Stick	Side Stick	Side Stick	Side Stick	Side Stick
38	Standard SN1	Snare Drum1	Standard SN1	Snare Drum1	Dance Snare1	Gated SD
39	909 HandClap	Hand Clap	909 HandClap	Hand Clap	909 HandClap	Hand Clap
40	Elec Snare 3	Snare Drum2	Elec Snare 3	Snare Drum2	Elec Snare 3	Snare Drum2
41	Real Tom 6	Low Tom2	Room Tom 5	Room Low Tom2	Rock Tom 4	Room Low Tom2
42	Close HiHat2	Closed Hi-hat	Close HiHat2	Closed Hi-hat	Close HiHat2	Closed Hi-hat
43	Real Tom 6	Low Tom1	Room Tom 5	Room Low Tom1	Rock Tom 4	Room Low Tom1
44	Pedal HiHat2	Pedal Hi-hat	Pedal HiHat2	Pedal Hi-hat	Pedal HiHat2	Pedal Hi-hat
45	Real Tom 4	Mid Tom2	Room Tom 2	Room Mid Tom2	Rock Tom 4	Room Mid Tom2
46	Open HiHat2	Open Hi-hat	Open HiHat2	Open Hi-hat	Open HiHat2	Open Hi-hat
47	Real Tom 4	Mid Tom1	Room Tom 2	Room Mid Tom1	Rock Tom 4	Room Mid Tom1
C3 48	Real Tom 1	High Tom2	Room Tom 2	Room Hi Tom2	Rock Tom 1	Room Hi Tom2
49	Crash Cym.1	Crash Cymbal1	Crash Cym.1	Crash Cymbal1	Crash Cym.1	Crash Cymbal1
50	Real Tom 1	High Tom1	Room Tom 2	Room Hi Tom1	Rock Tom 1	Room Hi Tom1
51	Ride Cymbal	Ride Cymbal1	Ride Cymbal	Ride Cymbal1	Ride Cymbal	Ride Cymbal1
52	ChinaCymbal	Chinese Cymbal	ChinaCymbal	Chinese Cymbal	ChinaCymbal	Chinese Cymbal
53	Ride Bell	Ride Bell	Ride Bell	Ride Bell	Ride Bell	Ride Bell
54	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine
55	Splash Cym.	Splash Cymbal	Splash Cym.	Splash Cymbal	Splash Cym.	Splash Cymbal
56	Cowbell	Cowbell	Cowbell	Cowbell	Cowbell	Cowbell
57	Crash Cym.2	Crash Cymbal2	Crash Cym.2	Crash Cymbal2	Crash Cym.2	Crash Cymbal2
58	Vibraslap	Vibra-slap	Vibraslap	Vibra-slap	Vibraslap	Vibra-slap
59	Ride Cymbal	Ride Cymbal2	Ride Cymbal	Ride Cymbal2	Ride Cymbal	Ride Cymbal2
C4 60	Bongo High	High Bongo	Bongo High	High Bongo	Bongo High	High Bongo
61	Bongo Lo	Low Bongo	Bongo Lo	Low Bongo	Bongo Lo	Low Bongo
62	Mute H.Conga	Mute High Conga	Mute H.Conga	Mute High Conga	Mute H.Conga	Mute High Conga
63	Conga Hi Opn	Open High Conga	Conga Hi Opn	Open High Conga	Conga Hi Opn	Open High Conga
64	Conga Lo Opn	Low Conga	Conga Lo Opn	Low Conga	Conga Lo Opn	Low Conga
65	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale
66	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale
67	Agogo	High Agogo	Agogo	High Agogo	Agogo	High Agogo
68	Agogo	Low Agogo	Agogo	Low Agogo	Agogo	Low Agogo
69	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa
70	Maracas	Maracas	Maracas	Maracas	Maracas	Maracas
71	ShrtWhistle	Short Hi Whistle	ShrtWhistle	Short Hi Whistle	ShrtWhistle	Short Hi Whistle
C5 72	LongWhistle	Long Low Whistle	LongWhistle	Long Low Whistle	LongWhistle	Long Low Whistle
73	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro
74	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Long Guiro
75	Claves	Claves	Claves	Claves	Claves	Claves
76	Woodblock	High Wood Block	Woodblock	High Wood Block	Woodblock	High Wood Block
77	Woodblock	Low Wood Block	Woodblock	Low Wood Block	Woodblock	Low Wood Block
78	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica
79	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica
80	MuteTriangl	Mute Triangle	MuteTriangl	Mute Triangle	MuteTriangl	Mute Triangle
81	OpenTriangl	Open Triangle	OpenTriangl	Open Triangle	OpenTriangl	Open Triangle
82	Shaker	Shaker	Shaker	Shaker	Shaker	Shaker
83	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell
C6 84	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree
85	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets
86	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo
87	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo
88	-----	-----	-----	-----	-----	-----
	MSB: 120 LSB: 0	MSB: 86 LSB: 127	MSB: 120 LSB: 0	MSB: 86 LSB: 127	MSB: 120 LSB: 0	MSB: 86 LSB: 127

GM2/GS Group

Note No.	r18 (PC: 25) GM2 ELECTRIC	r19 (PC: 25) GS ELECTRONIC	r20 (PC: 26) GM2 ANALOG	r21 (PC: 26) GS TR-808	r22 (PC: 33) GM2 JAZZ	r23 (PC: 33) GS JAZZ
27	High-Q	High Q	High-Q	High Q	High-Q	High Q
28	Slap	Slap	Slap	Slap	Slap	Slap
29	ScratchPush	Scratch Push	ScratchPush	Scratch Push	ScratchPush	Scratch Push
30	ScratchPull	Scratch Pull	ScratchPull	Scratch Pull	ScratchPull	Scratch Pull
31	Sticks	Sticks	Sticks	Sticks	Sticks	Sticks
32	SquareClick	Square Click	SquareClick	Square Click	SquareClick	Square Click
33	Mtrnm.Click	Metronome Click	Mtrnm.Click	Metronome Click	Mtrnm.Click	Metronome Click
34	Mtrnm. Bell	Metronome Bell	Mtrnm. Bell	Metronome Bell	Mtrnm. Bell	Metronome Bell
35	Mix Kick	Kick Drum2	Mix Kick	Kick Drum2	Jazz Kick 2	Jazz BD2
C2 36	Elec Kick 1	Elec BD	TR-808 Kick	808 Bass Drum	Jazz Kick 1	Jazz BD1
37	Side Stick	Side Stick	808 Rimshot	808 Rim Shot	Side Stick	Side Stick
38	Elec. Snare	Elec SD	808 Snare 1	808 Snare Drum	Standard SN1	Snare Drum1
39	909 HandClap	Hand Clap	909 HandClap	Hand Clap	909 HandClap	Hand Clap
40	Elec Snare 2	Gated SD	Elec Snare 3	Snare Drum2	Elec Snare 3	Snare Drum2
41	Synth Drum 2	Elec Low Tom2	808 Tom 2	808 Low Tom2	Real Tom 6	Low Tom2
42	Close HiHat2	Closed Hi-hat	TR-808 CHH	808 CHH	Close HiHat2	Closed Hi-hat
43	Synth Drum 2	Elec Low Tom1	808 Tom 2	808 Low Tom1	Real Tom 6	Low Tom1
44	Pedal HiHat2	Pedal Hi-hat	808__chh	808 CHH	Pedal HiHat2	Pedal Hi-hat
45	Synth Drum 2	Elec Mid Tom2	808 Tom 2	808 Mid Tom2	Real Tom 4	Mid Tom2
46	Open HiHat2	Open Hi-hat	TR-808 OHH	808 OHH	Open HiHat2	Open Hi-hat
47	Synth Drum 2	Elec Mid Tom1	808 Tom 2	808 Mid Tom1	Real Tom 4	Mid Tom1
C3 48	Synth Drum 2	Elec Hi Tom2	808 Tom 2	808 Hi Tom2	Real Tom 1	High Tom2
49	Crash Cym.1	Crash Cymbal1	808 Crash	808 Cymbal	Crash Cym.1	Crash Cymbal1
50	Synth Drum 2	Elec Hi Tom1	808 Tom 2	808 Hi Tom1	Real Tom 1	High Tom1
51	Ride Cymbal	Ride Cymbal1	Ride Cymbal	Ride Cymbal1	Ride Cymbal	Ride Cymbal1
52	ReverseCymbl	Reverse Cymbal	ChinaCymbal	Chinese Cymbal	ChinaCymbal	Chinese Cymbal
53	Ride Bell	Ride Bell	Ride Bell	Ride Bell	Ride Bell	Ride Bell
54	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine
55	Splash Cym.	Splash Cymbal	Splash Cym.	Splash Cymbal	Splash Cym.	Splash Cymbal
56	Cowbell	Cowbell	808cowbe	808 Cowbell	Cowbell	Cowbell
57	Crash Cym.2	Crash Cymbal2	Crash Cym.2	Crash Cymbal2	Crash Cym.2	Crash Cymbal2
58	Vibraslap	Vibra-slap	Vibraslap	Vibra-slap	Vibraslap	Vibra-slap
59	Ride Cymbal	Ride Cymbal2	Ride Cymbal	Ride Cymbal2	Ride Cymbal	Ride Cymbal2
C4 60	Bongo High	High Bongo	Bongo High	High Bongo	Bongo High	High Bongo
61	Bongo Lo	Low Bongo	Bongo Lo	Low Bongo	Bongo Lo	Low Bongo
62	Mute H.Conga	Mute High Conga	808 Conga	808 High Conga	Mute H.Conga	Mute High Conga
63	Conga Hi Opn	Open High Conga	808 Conga	808 Mid Conga	Conga Hi Opn	Open High Conga
64	Conga Lo Opn	Low Conga	808 Conga	808 Low Conga	Conga Lo Opn	Low Conga
65	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale
66	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale
67	Agogo	High Agogo	Agogo	High Agogo	Agogo	High Agogo
68	Agogo	Low Agogo	Agogo	Low Agogo	Agogo	Low Agogo
69	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa
70	Maracas	Maracas	808marac	808 Maracas	Maracas	Maracas
71	ShrtWhistle	Short Hi Whistle	ShrtWhistle	Short Hi Whistle	ShrtWhistle	Short Hi Whistle
C5 72	LongWhistle	Long Low Whistle	LongWhistle	Long Low Whistle	LongWhistle	Long Low Whistle
73	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro
74	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Long Guiro
75	Claves	Claves	808clave	808 Claves	Claves	Claves
76	Woodblock	High Wood Block	Woodblock	High Wood Block	Woodblock	High Wood Block
77	Woodblock	Low Wood Block	Woodblock	Low Wood Block	Woodblock	Low Wood Block
78	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica
79	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica
80	MuteTriangl	Mute Triangle	MuteTriangl	Mute Triangle	MuteTriangl	Mute Triangle
81	OpenTriangl	Open Triangle	OpenTriangl	Open Triangle	OpenTriangl	Open Triangle
82	Shaker	Shaker	Shaker	Shaker	Shaker	Shaker
83	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell
C6 84	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree
85	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets
86	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo
87	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo
88	-----	-----	-----	-----	-----	-----
	MSB: 120 LSB: 0	MSB: 86 LSB: 127	MSB: 120 LSB: 0	MSB: 86 LSB: 127	MSB: 120 LSB: 0	MSB: 86 LSB: 127

GM2/GS Group

Note No.	r24 (PC: 41) GM2 BRUSH	r25 (PC: 41) GS BRUSH	r26 (PC: 49) GM2 ORCHESTRA	r27 (PC: 49) GS ORCHESTRA	r28 (PC: 57) GM2 SFX	r29 (PC: 57) GS SFX
27	High-Q	High Q	Close HiHat2	Closed Hi-hat	-----	-----
28	Slap	Slap	Pedal HiHat2	Pedal Hi-hat	-----	-----
29	ScratchPush	Scratch Push	Open HiHat2	Open Hi-hat	-----	-----
30	ScratchPull	Scratch Pull	Ride Cymbal	Ride Cymbal1	-----	-----
31	Sticks	Sticks	Sticks	Sticks	-----	-----
32	SquareClick	Square Click	SquareClick	Square Click	-----	-----
33	Mtrnm.Click	Metronome Click	Mtrnm.Click	Metronome Click	-----	-----
34	Mtrnm. Bell	Metronome Bell	Mtrnm. Bell	Metronome Bell	-----	-----
35	Jazz Kick 2	Jazz BD2	Concert BD	Concert BD2	-----	-----
C2 36	Jazz Kick 1	Jazz BD1	ConcertBD Mt	Concert BD1	-----	-----
37	Side Stick	Side Stick	Side Stick	Side Stick	-----	-----
38	Brush Swirl	Brush Tap	Concert Snr	Concert SD	-----	-----
39	Brush Slap1	Brush Slap	Castanets	Castanets	High-Q	High Q
40	Brush Swirl	Brash Swirl	Concert Snr	Concert SD	Slap	Slap
41	Real Tom 6	Low Tom2	Timpani	Timpani F	ScratchPush	Scratch Push
42	Close HiHat2	Closed Hi-hat	Timpani	Timpani F#	ScratchPull	Scratch Pull
43	Real Tom 6	Low Tom1	Timpani	Timpani G	Sticks	Sticks
44	Pedal HiHat2	Pedal Hi-hat	Timpani	Timpani G#	SquareClick	Square Click
45	Real Tom 4	Mid Tom2	Timpani	Timpani A	Mtrnm.Click	Metronome Click
46	Open HiHat2	Open Hi-hat	Timpani	Timpani A#	Mtrnm. Bell	Metronome Bell
47	Real Tom 4	Mid Tom1	Timpani	Timpani B	Gt.FretNoiz	Guitar Fret Noise
C3 48	Real Tom 1	High Tom2	Timpani	Timpani c	Gt.CutNoise	Guitar cutting noise/up
49	Crash Cym.1	Crash Cymbal1	Timpani	Timpani c#	Gt.CutNoise	Guitar cutting noise/down
50	Real Tom 1	High Tom1	Timpani	Timpani d	String Slap	String slap of double bass
51	Ride Cymbal	Ride Cymbal1	Timpani	Timpani d#	Fl.KeyClick	Fl.Key Click
52	ChinaCymbal	Chinese Cymbal	Timpani	Timpani e	Laughing	Laughing
53	Ride Bell	Ride Bell	Timpani	Timpani f	Screaming	Scream
54	Tambourine	Tambourine	Tambourine	Tambourine	Punch	Punch
55	Splash Cym.	Splash Cymbal	Splash Cym.	Splash Cymbal	Heart Beat	Heart Beat
56	Cowbell	Cowbell	Cowbell	Cowbell	Footsteps	Footsteps1
57	Crash Cym.2	Crash Cymbal2	Con.Cymbal2	Concert Cymbal2	Footsteps	Footsteps2
58	Vibraslap	Vibra-slap	Vibraslap	Vibra-slap	Applause	Applause
59	Ride Cymbal	Ride Cymbal2	Concert Cym.	Concert Cymbal1	Creaking	Door Creaking
C4 60	Bongo High	High Bongo	Bongo High	High Bongo	Door	Door
61	Bongo Lo	Low Bongo	Bongo Lo	Low Bongo	Scratch	Scratch
62	Mute H.Conga	Mute High Conga	Mute H.Conga	Mute High Conga	Wind Chimes	Wind Chimes
63	Conga Hi Opn	Open High Conga	Conga Hi Opn	Open High Conga	Car-Engine	Car-Engine
64	Conga Lo Opn	Low Conga	Conga Lo Opn	Low Conga	Car-Stop	Car-Stop
65	High Timbale	High Timbale	High Timbale	High Timbale	Car-Pass	Car-Pass
66	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Car-Crash	Car-Crash
67	Agogo	High Agogo	Agogo	High Agogo	Siren	Siren
68	Agogo	Low Agogo	Agogo	Low Agogo	Train	Train
69	Cabasa	Cabasa	Cabasa	Cabasa	Jetplane	Jetplane
70	Maracas	Maracas	Maracas	Maracas	Helicopter	Helicopter
71	ShrtWhistle	Short Hi Whistle	ShrtWhistle	Short Hi Whistle	Starship	Starship
C5 72	LongWhistle	Long Low Whistle	LongWhistle	Long Low Whistle	Gun Shot	Gun Shot
73	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Machine Gun	Machine Gun
74	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Lasergun	Lasergun
75	Claves	Claves	Claves	Claves	Explosion	Explosion
76	Woodblock	High Wood Block	Woodblock	High Wood Block	Dog	Dog
77	Woodblock	Low Wood Block	Woodblock	Low Wood Block	HorseGallop	Horse-Gallop
78	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Bird	Birds
79	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Rain	Rain
80	MuteTriangl	Mute Triangle	MuteTriangl	Mute Triangle	Thunder	Thunder
81	OpenTriangl	Open Triangle	OpenTriangl	Open Triangle	Wind	Wind
82	Shaker	Shaker	Shaker	Shaker	Seashore	Seashore
83	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Stream	Stream
C6 84	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bubble	Bubble
85	Castanets	Castanets	Castanets	Castanets	-----	-----
86	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	-----	-----
87	Open Surdo	Open Surdo	Open Surdo	Open Surdo	-----	-----
88	-----	-----	Applause	Applause	-----	-----
	MSB: 120 LSB: 0	MSB: 86 LSB: 127	MSB: 120 LSB: 0	MSB: 86 LSB: 127	MSB: 120 LSB: 0	MSB: 86 LSB: 127

GM2/GS Group

r30 (PC: 128)
GS CM64/32L

Note No.	
	35
C2	36
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C3	48
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C4	60
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C5	72
	73
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	78
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	81
	82
	83
C6	84
	85
	86
	87
	88
	89
	90
	91
	92
	93
	94
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C7	96
	97
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	102
	103
	104
	105
	106
	107
C8	108

CM Kick Drum
CM Kick Drum
CM Rim Shot
CM Snare Drum
CM Hand Clap
CM Electronic Snare Drum
CM Acoustic Low Tom
CM Closed High Hat
CM Acoustic Low Tom
CM Open Hi-Hat2
CM Acoustic Middle Tom
CM Open Hi-Hat1
CM M.TomAcoustic Middle Tom
CM Acoustic High Tom
CM Crash Cymbal
CM Acoustic High Tom
CM Ride Cymbal

CM Tambourine

CM Cowbell

CM High Bongo
CM Low Bongo
CM Mute High Conga
CM High Conga
CM Low Conga
CM High Timbale
CM Low Timbale
CM High Agogo
CM Low Agogo
CM Cabasa
CM Maracas
CM Short Whistle
CM Long Whistle
CM Vibrato Slap

CM Claves
Laughing
Scream
Punch
Heart Beat
Footsteps1
Footsteps2
Applause
Creaking
Door
Scratch
Wind Chimes
Car-Engine
Car-Stop
Car-Pass
Car-Crash
Siren
Train
Jetplane
Helicopter
Starship
Gun Shot
Machine Gun
Lasergun
Explosion
Dog
Horse-Gallop
Birds
Rain
Thunder
Wind
SeaShore
Stream
Bubble

MSB: 86
LSB: 127

Alphabetical Tone List

Organ/Orchestral Tones

Tone Name	PC	MSB	LSB
1' Sifflute	10	93	126
1' Tibia Fife	69	93	126
1-3/5' Tibia Tierce	70	93	126
10-2/3' Gross Quint	61	93	126
16' Cello Celeste II	43	93	126
16' Erzahler Celeste II	44	93	126
16' Montre	2	93	126
16' Pommer	3	93	126
16' Posaune	59	93	126
16' Posthorn	19	93	126
16' Quintadena	7	93	126
16' Royal Trumpet	15	93	126
16' Tibia Clausa	63	93	126
16' Viols Chorus II	52	93	126
2' Tibia Piccolo	68	93	126
2' Zink	62	93	126
2-2/3' Tibia Twelfth	67	93	126
2.2 Bell Pad	80	93	127
2020 Bell	79	93	127
21-1/3' Grave Diapente	60	93	126
3-1/5' Gross Terz	39	93	126
32' Bazuin	58	93	126
32' Contra Violone	57	93	126
32' Contre Geigen	1	93	126
32' Posaune	56	93	126
32' Untersatz	55	93	126
4' Erzahler Celeste II	49	93	126
4' Flute Celeste II	50	93	126
4' Major Flute	9	93	126
4' Major Flute (with Trem)	14	93	126
4' Royal Trumpet	17	93	126
4' Tibia Piccolo	66	93	126
4' Violina Celeste II	48	93	126
4' Viols Chorus II	54	93	126
5-1/3' Gross Quint	38	93	126
5-1/3' Tibia Fifth	65	93	126
8' Cello Celeste II	45	93	126
8' Cor d'Amour	24	93	126
8' Cor d'Amour (with Trem)	29	93	126
8' English Horn	23	93	126
8' English Horn (with Trem)	28	93	126
8' First Diapason	6	93	126
8' French Horn	22	93	126
8' French Horn (with Trem)	27	93	126
8' Harmonic Flute	5	93	126
8' Harmonic Flute (with Trem)	12	93	126
8' Kinura	21	93	126
8' Kinura (with Trem)	26	93	126
8' Muted Viols II	47	93	126
8' Posthorn	20	93	126
8' Quintadena	8	93	126
8' Quintadena (with Trem)	13	93	126
8' Royal Trumpet	16	93	126
8' Royal Tuba	18	93	126
8' Second Diapason	4	93	126
8' Second Diapason (with Trem)	11	93	126
8' Tibia Clausa	64	93	126
8' Viols Chorus IV	53	93	126
8' Voce Umana II	46	93	126
8' Voce Umana II	51	93	126
8' Vox Humana	25	93	126
8' Vox Humana	71	93	126
8' Vox Humana (with Trem)	30	93	126
8/9' None	40	93	126
Air Pad	115	93	127
Alto Sax	61	93	127
Ambience Vibe	97	93	127
Ballad B	100	93	126
Baroque 1	6	93	127
Baroque 2	7	93	127
Basic Fretless	111	93	127
Bass Clarinet	45	93	127
Bass Pizzicato	11	93	127
Bassoon/English Horn	47	93	127
Belfry Chime	77	93	127
Boys Choir	18	93	127
Boys Choir Ooh	20	93	127
Brassy Symphony	23	93	127
Breathy Sax	59	93	127
Bright Horn	32	93	127
Cathedral	107	93	126
Celestabox	75	93	127
Ceremonial	49	93	127
Chamber Quartet	3	93	127
Chamber Strings	2	93	127
Chamber Woods	35	93	127
Chime Bells	71	93	127
Church Bell	78	93	127
Church Harmony	106	93	126
Clarinet mp	46	93	127
Concert Bass Drum	85	93	127
Contrabass Section	124	93	126
Crash Cymbal	88	93	127
Cup Mute	51	93	127
D-50 Organ	104	93	126
Desert Crystal	106	93	127
Dyna Marimba	98	93	127
English Horn	33	93	127
Expressimo	112	93	126
Fanfare	25	93	127
Fat Rhodes	86	93	126
Fat Strings	121	93	126
Fifes	37	93	127
Film Octaves	115	93	126
Flute	40	93	127
French Horn Section	30	93	127
Full Chamber Strings	4	93	127
Full Orchestra	119	93	126
Full Pizzicato mp	9	93	127
Full Saxz	57	93	127
Full Stops	102	93	126
Full Tremolo	128	93	126
Glistening	116	93	127
Gospel Spin	103	93	126
Grand MX	77	93	126
Guitar & Pad	114	93	127
Handbell	76	93	127
Harmo Blues	69	93	127
Harmon Mute	52	93	127
Harmonic Strings	117	93	126
Harp	100	93	127
Harpsichord Back	96	93	126
Harpsichord F/B/B4	93	93	126
Harpsichord F4/B	94	93	126
Harpsichord Front	95	93	126
Hit Rhodes	89	93	126
Holiday Cheer	83	93	127
Honky Tonk MX	81	93	126
II Jeu de Clochette	37	93	126
II Sesquialtera	35	93	126
II Sesquialtera (with Trem)	41	93	126
IV Cornet 4'	36	93	126
IV Cornet 4' (with Trem)	42	93	126
IV Echo Mixture	34	93	126
IV Fourniture	31	93	126
IV Grave Mixture	33	93	126
IV Scharf	32	93	126
Jazz Guitar Hall	107	93	127
Lead 4x Violins	8	93	127
Lochscapes	67	93	127
Lush Strings 2	120	93	126
Marcato	1	93	127
Massed Horns	28	93	127
Mellow Horn	53	93	127
Mild Trombone	54	93	127
Morning Lite	82	93	127
Mr.Mellow	90	93	126
Music Bells	84	93	127
MX Accordion	91	93	126
MX Acoustic Bass	108	93	127
MX Church Organ 1	109	93	126
MX Church Organ 2	110	93	126
MX Church Organ 3	111	93	126
MX Clarinet	44	93	127
MX DynoTenor	63	93	127
MX Fretless	110	93	127
MX Glocken	73	93	127
MX Ocarina	70	93	127
MX Strings	113	93	126
MX Timpani 1	91	93	127
MX Timpani 2	92	93	127
MX Trumpet	50	93	127
MX Tuba	56	93	127
MX Xylophone	99	93	127
My Orchestra	118	93	126
New R&R Brass	48	93	127
Nice Guitar	101	93	127
Nylon Bass	109	93	127
Nylon Guitar	102	93	127
Oboe mf	43	93	127
Oboe Vibrato	42	93	127
Octave Strings 1	125	93	126
Octave Strings 2	126	93	126
Orchestral Brass	22	93	127
Orchestral Percussion Set	94	93	127
Orchestral Pizzicato	10	93	127
Orchestral Snare	87	93	127
Orchestral Strings	116	93	126
Pan Pipes	65	93	127
Perky B	101	93	126
Phazweep	118	93	127
Piano + Soft Pad	84	93	126
Piano + Strings	83	93	126
Pop Bass	112	93	127
Pop Piano MX	78	93	126
Principal Chorus 8', 4', 2'	76	93	126
Real Cello	15	93	127
Real Choir	17	93	127
Rholitzer	87	93	126
Ride Cymbal	89	93	127
Rocker Spin	97	93	126
Royal Trumpets 16', 8', 4'	72	93	126
Sax Choir	58	93	127
Slow Dark Brass	29	93	127
Slow Octave Strings	127	93	126
Slow Violin/Cello	14	93	127
Smooth Rhodes	88	93	126
Snare Roll	86	93	127
Soaring Horns	117	93	127
Soft B	99	93	126
Soft Celesta	74	93	127
Soft Horns	31	93	127
Soft Nylon	104	93	127
Soft Perky	98	93	126
Soft Symphony	26	93	127
Solo Alto Sax	62	93	127
Soprano Recorder	68	93	127
Soprano Sax mf	60	93	127
Spaced Voxx	21	93	127
Sparkle Piano	79	93	126
Stacc.Heaven	81	93	127
Stage 73	85	93	126
Steel Away	103	93	127
Stereo Choir	19	93	127
Stereo Harpsichord	92	93	126
Strings Ensemble	123	93	126
Surf's Up!	105	93	126
Swell Ensemble	36	93	127
Swingin' Bari	64	93	127
Tap Bass	113	93	127
Tender Flute	41	93	127
The Andes	66	93	127
Thick Steel	105	93	127
Tibias 16', 8', 4', 2'	75	93	126
Tibias 8', 4'	73	93	126
Tibias 8', 4', 2'	74	93	126
Timpani Roll	93	93	127
Triangle	90	93	127
Trombone	55	93	127
True Vibe	95	93	127
Tubular Bells	72	93	127
Ultra Smooth	122	93	126
Valve Job	24	93	127
Violin/Cello 1	5	93	127
Violin/Cello 2	12	93	127
Voyager Brass	27	93	127
Warm Cello	16	93	127
Warm pF Mix	80	93	126
Warm Vibes	96	93	127
Warm Violin	13	93	127
Wedding Mass	108	93	126
Wide Strings	114	93	126
Wind Multi	39	93	127
Wind Wood	38	93	127
Wood Symphony	34	93	127
Y2K Concerto	82	93	126

GM (General MIDI) Tones

Tone Name	No.	PC	LSB
12-str.Gt	59		1
2600 Sine	158		2
5th Saw Wave	169	87	0
60's Organ 1	39		2
60s Strings	106		2
6th Hit	119		2
70's E.Organ	40		3
808 Tom	213		1
Accordion Fr	50	22	0
Accordion It	51		1
Acid Bass	87		2
Acoustic Bs.	78	33	0
Agogo	204	114	0
Alto Sax	141	66	0
Analog Voice	116		1
Applause	247	127	0
Atmosphere	186	100	0
Attack Pulse	93		3
Bagpipe	200	110	0
Bandoneon	53	24	0
Banjo	195	106	0
Baritone Sax	143	68	0
Bass & Lead	170	88	0
Bass Hit	118		1
Bassoon	146	71	0
Beef FM Bass	91		1
Bird	227	124	0
Bird 2	230		3
Bottle Blow	152	77	0
Bowed Glass	178	93	0
Brass 1	131	62	0
Brass 2	132		1
Breath Noise	219	122	0
Bright Tb	125		2
Brightness	187	101	0
Bubble	226		5
Burst Noise	246		9
Car-Crash	241		4
Car-Engine	238		1
Car-Pass	240		3
Car-Stop	239		2
Carillon	35		2
Castanets	207		1
Celesta	25	9	0
Cello	97	43	0
Charang	166	85	0
Chiffer Lead	165	84	0
Choir Aahs	111	53	0
Chorus Aahs	112		1
Chorus Gt.	65		1
Chorus Or.2	42		1
Church Bell	34		1
Church Org.1	45	20	0
Church Org.2	46		1
Church Org.3	47		2
Clarinet	147	72	0
Clav.	23	8	0
Clavi Bass	88		3
Clean Gt.	64	28	0
Concert BD	209		1
Contrabass	98	44	0
Coupled Hps.	20		1
Crystal	184	99	0
Dark Trumpet	122		1
Delayed Lead	171		1
Detuned EP 2	15		1
Dist Rtm GTR	75		2
DistortionGt	73	31	0
Doctor Solo	161		2
Dog	228		1
Door	234		3
DoorCreaking	233		2
E.Piano 1	10	5	0
E.Piano 2	14	6	0
Echo Bell	190		1
Echo Drops	189	103	0
Echo Pan	191		2
Elec Perc	214		2
English Horn	145	70	0
EP Legend	17		3
EP Phase	18		4
Euro Hit	120		3
European Pf	3		2
Explosion	256		3
Fantasia	172	89	0
Feedback Gt.	74		1
Fiddle	201	111	0
Finger Slap	80		1
Fingered Bs.	79	34	0
Fl.Key Click	220		1
Flute	149	74	0
FM+SA EP	12		2
Footsteps	252		5
Fr.Horn 2	130		1
French Horns	129	61	0
Fretless Bs.	82	36	0
Funk Gt.2	69		2
Funk Pop	68		1
Glockenspiel	26	10	0
Goblin	188	102	0
Gt. Feedback	77		1
Gt.Cut Noise	217		1
Gt.FretNoise	216	121	0
Gt.Harmonics	76	32	0
Guitar Pinch	72		1
Gun Shot	253	128	0
Halo Pad	180	95	0
Hammer	89		4
Harmonica	52	23	0
Harp	101	47	0
Harpsi.o	22		3
Harpsi.w	21		2
Harpsichord	19	7	0
Heart Beat	251		4
Helicopter	237	126	0
Honky-tonk	8	4	0
Honky-tonk 2	9		1
Horse-Gallop	229		2
Humming	114		1
Ice Rain	182	97	0
Itopia	177		1
Jazz Gt.	62	27	0
Jazz Man	70		3
Jetplane	244		7
Jump Brass	136		3
Kalimba	199	109	0
Koto	197	108	0
Lasergun	255		2
Laughing	248		1
Machine Gun	254		1
Mandolin	60		2
Marimba	30	13	0
Marimba w	31		1
Melo. Tom 1	210	118	0
Melo. Tom 2	211		1
Metal Pad	179	94	0
MG Square	157		1
Mid Tone GTR	66		2
Music Box	27	11	0
Muted Gt.	67	29	0
MutedTrumpet	127	60	0
MuteTrumpet2	128		1
Natural Lead	162		3
Nylon Gt.2	57		3
Nylon Gt.o	56		2
Nylon-str.Gt	54	25	0
OB2 Saw	160		1
Oboe	144	69	0
Ocarina	155	80	0
Oct SynBrass	135		2
Orchestra	105		1
OrchestraHit	117	56	0
Organ 1	37	17	0
Organ 2	41	18	0
Organ 3	44	19	0
Overdrive Gt	71	30	0
Pan Flute	151	76	0
Pedal Steel	63		1
Perc. Organ	43		2
Piano 1	1	1	0
Piano 1w	2		1
Piano 2	4	2	0
Piano 2w	5		1
Piano 3	6	3	0
Piano 3w	7		1
Piccolo	148	73	0
Picked Bass	81	35	0
PizzicatoStr	100	46	0
Polysynth	175	91	0
Pro Brass	134		1
Puff Organ	49		1
Pulse Clav	24		1
Punch	250		3
Rain	222		1
Recorder	150	75	0
Reed Organ	48	21	0
Reverse Cym.	215	120	0
RubberBass 2	92		2
Santur	36	16	0
Saw Wave	159	82	0
Scratch	235		4
Screaming	249		2
Seashore	221	123	0
SequencedSaw	163		4
Shakuhachi	153	78	0
Shamisen	196	107	0
Shanai	202	112	0
Sine Pad	174		1
Siren	242		5
Sitar	193	105	0
Sitar 2	194		1
Slap Bass 1	83	37	0
Slap Bass 2	84	38	0
Slow Strings	107	50	0
Slow Violin	95		1
Solo Vox	168	86	0
Soprano Sax	140	65	0
Soundtrack	183	98	0
Space Voice	176	92	0
Square Wave	156	81	0
St.FM EP	16		2
St.Soft EP	11		1
Star Theme	192	104	0
Starship	245		8
Steel + Body	61		3
Steel Drums	205	115	0
Steel-str.Gt	58	26	0
Stream	225		4
String Slap	218		2
Strings	104	49	0
Sweep Pad	181	96	0
Syn Mallet	185		1
Syn.Calliope	164	83	0
Syn.Strings1	108	51	0
Syn.Strings2	110	52	0
Syn.Strings3	109		1
SynBrass sfz	138		1
Synth Bass 1	85	39	0
Synth Bass 2	90	40	0
Synth Brass1	133	63	0
Synth Brass2	137	64	0
Synth Drum	212	119	0
SynthBass101	86		1
SynVox	115	55	0
Taiko	208	117	0
Taisho Koto	198		1
Telephone 1	231	125	0
Telephone 2	232		1
Tenor Sax	142	67	0
Thunder	223		2
Timpani	103	48	0
Tinkle Bell	203	113	0
Train	243		6
Trem. Organ	38		1
Tremolo Str	99	45	0
Trombone	123	58	0
Trombone 2	124		1
Trumpet	121	57	0
Tuba	126	59	0
Tubular-bell	33	15	0
Ukulele	55		1
Velo Brass 1	139		2
Vibraphone	28	12	0
Vibraphone w	29		1
Viola	96	42	0
Violin	94	41	0
Voice Oohs	113	54	0
Warm Pad	173	90	0
Whistle	154	79	0
Wind	224		3
Wind Chimes	236		5
Wire Lead	167		1
Woodblock	206	116	0
Wurly	13		3
Xylophone	32	14	0
Yang Qin	102		1

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Quick Key Map

CHOIR (3 Manual)
GREAT (2 Manual)

Capital Tone (MSB: 65)	PC	Variation 1 (MSB: 66)	Variation 2 (MSB: 67)	Variation 3 (MSB: 68)	Variation 4 (MSB: 69)
Pop Piano MX	1	Warm pF Mix			
Grand MX	2	Sparkle Piano	Honky Tonk MX		
Y2K Concerto	3	Piano + Strings	Piano + Soft Pad		
Fat Rhodes	4	Stage 73	Hit Rhodes		
Rholitzer	5	Smooth Rhodes	Mr.Mellow		
Stacc.Heaven	6	Morning Lite	Air Pad	Glistening	Phazweep
Stereo Harpsichord	7	Harpsichord Front	Harpsichord Back		
Harpsichord F/B/B4	8	Harpsichord F4/B			
Soft Celesta	9	Celestabox			
MX Glocken	10	Holiday Cheer	2020 Bell		
Music Bells	11	2.2 Bell Pad			
Warm Vibes	12	True Vibe	Ambience Vibe		
Dyna Marimba	13				
MX Xylophone	14				
Tubular Bells	15	Belfry Chime			
Handbell	16	Church Bell	Chime Bells		
Soft Perky	17	Soft B	Rocker Spin		
Ballad B	18	Perky B	Gospel Spin		
Surf's Up!	19	D-50 Organ	Full Stops		
MX Church Organ 1	20	MX Church Organ 2	MX Church Organ 3		
Church Harmony	21				
Cathedral	22	Wedding Mass			
Harmo Blues	23				
MX Accordion	24				
Soft Nylon	25	Nylon Guitar	Nice Guitar	Guitar & Pad	Desert Crystal
Steel Away	26	Thick Steel			
Jazz Guitar Hall	27				
Chamber Strings	28	Baroque 1			
Chamber Quartet	29	Full Chamber Strings			
Lead 4x Violins	30	Expressimo			
Octave Strings 2	31	Orchestral Strings			
Contrabass Section	32	Octave Strings 1	Slow Octave Strings		
MX Acoustic Bass	33				
Nylon Bass	34				
Pop Bass	35	Tap Bass			
Basic Fretless	36	MX Fretless			
Timpani Roll	37				
Harmonic Strings	38	Soft Symphony			
Full Orchestra	39	My Orchestra			
Brassy Symphony	40				
Warm Violin	41				
Slow Violin/Cello	42	Baroque 2			
Real Cello	43	Warm Cello			
Violin/Cello 1	44	Violin/Cello 2			
Full Tremolo	45				
Orchestral Pizzicato	46	Bass Pizzicato	Full Pizzicato mp		
Harp	47				
MX Timpani 2	48	MX Timpani 1	Orchestral Percussion Set		
Strings Ensemble	49	Marcato			
MX Strings	50	Ultra Smooth			
Lush Strings 2	51	Fat Strings			
Octave Strings 1	52	Film Octaves	Wide Strings		
Real Choir	53	Stereo Choir	Spaced Voxx		
Boys Choir Ooh	54	Boys Choir			
Voyager Brass	55	Slow Dark Brass			
Valve Job	56	Ceremonial			
MX Trumpet	57	Mellow Horn			
Mild Trombone	58	Trombone			
MX Tuba	59				
Cup Mute	60	Harmon Mute			
French Horn Section	61	Soft Horns	Bright Horn		

LSB: 0

GREAT (3 Manual)
SWELL (2 Manual)

SWELL (3 Manual)
PEDAL (2 Manual)

Capital Tone (MSB: 65)	PC	Variation 1 (MSB: 66)	Variation 2 (MSB: 67)	Variation 3 (MSB: 68)	Capital Tone (MSB: 65)	PC
Fanfare	62	New R&R Brass			Concert Bass Drum	123
Orchestral Brass	63				Snare Roll	124
Massed Horns	64	Soaring Horns			Orchestral Snare	125
Soprano Sax mf	65				Crash Cymbal	126
Alto Sax	66	Solo Alto Sax			Ride Cymbal	127
MX DynoTenor	67	Swingin' Bari	Breathy Sax		Triangle	128
Full Saxz	68	Sax Choir				
Oboe Vibrato	69	Oboe mf				
English Horn	70	Swell Ensemble				
Bassoon/English Horn	71					
MX Clarinet	72	Clarinet mp				
Bass Clarinet	73					
Tender Flute	74	Flute	Fifes			
Soprano Recorder	75	MX Ocarina				
Wind Wood	76	Wood Symphony				
Chamber Woods	77	Wind Multi				
Pan Pipes	78	Lochscapes	The Andes			
32' Contra Violone	79					
32' Untersatz	80					
32' Bazuin	81					
32' Posaune	82					
16' Posaune	83					
32' Contre Geigen	84					
16' Montre	85					
16' Pommer	86					
10-2/3' Gross Quint	87	21-1/3' Grave Diapente	5-1/3' Gross Quint	3-1/5' Gross Terz		
8' First Diapason	88	8' Voce Umana II				
8' Second Diapason	89	8' Second Diapason (w/T)	8' Voce Umana II	Principal Chorus 8', 4', 2'		
8' Harmonic Flute	90	8' Harmonic Flute (w/T)				
8' Quintadena	91	8' Quintadena (w/T)	16' Quintadena			
4' Major Flute	92	4' Major Flute (w/T)				
1' Sifflute	93	8/9' None				
IV Fourniture	94	IV Grave Mixture	IV Echo Mixture			
IV Scharf	95	II Jeu de Clochette				
II Sesquialtera	96	II Sesquialtera (w/T)				
IV Cornet 4'	97	IV Cornet 4' (w/T)				
16' Cello Celeste II	98					
16' Erzahler Celeste II	99					
16' Viols Chorus II	100					
8' Cello Celeste II	101					
8' Muted Viols II	102					
8' Viols Chorus IV	103	4' Viols Chorus II				
4' Violina Celeste II	104					
4' Erzahler Celeste II	105					
4' Flute Celeste II	106					
8' French Horn	107	8' French Horn (w/T)				
8' Cor d'Amour	108	8' Cor d'Amour (w/T)				
8' English Horn	109	8' English Horn (w/T)				
8' Vox Humana	110	8' Vox Humana (w/T)				
16' Royal Trumpet	111					
8' Royal Trumpet	112	4' Royal Trumpet	Royal Trumpets 16', 8', 4'			
8' Royal Tuba	113					
16' Tibia Clausa	114					
8' Tibia Clausa	115					
Tibias 8', 4'	116	Tibias 8', 4', 2'	Tibias 16', 8', 4', 2'			
4' Tibia Piccolo	117					
2-2/3' Tibia Twelfth	118	5-1/3' Tibia Fifth	1-3/5' Tibia Tierce			
2' Tibia Piccolo	119	1' Tibia Fife				
8' Vox Humana	120					
8' Kinura	121	8' Kinura (w/T)	2' Zink			
16' Posthorn	122	8' Posthorn				

* *w/T = with Trem*

LSB: 0

Parameter List

EQ Parameters

Parameter	Value	Factory Setting	Page
EQ HIGH GAIN	-15– +15	0	p. 22
EQ MID H GAIN	-15– +15	0	
EQ MID L GAIN	-15– +15	0	
EQ LOW GAIN	-15– +15	0	

Part Parameters

Parameter	Value	Factory Setting	Page
EQ ON/OFF	OFF, ON	ON	p. 23
PART TYPE	TONE (ton), RHYTHM (rhy)	Part 1–9, 11–16: ton Part 10: rhy	
PART MUTE	OFF, ON	Part 1–11: OFF Part 12–16: ON	
PART LEVEL	0–127	100	
PART PAN	L64–63R	0	
PART COARSE TUNE (C.T)	-48– +48	0	
PART FINE TUNE (F.T)	-50– +50	0	
PART REVERB SEND LEVEL (REV)	0–127	80	
PART CHORUS SEND LEVEL (CHO)	0–127	0	
PART OUTPUT LEVEL (DRY)	0–127	127	

Setup Parameters

Parameter	Value	Factory Setting	Page
PERFORMANCE CONTROL CHANNEL	1–16, OFF	OFF	p. 25
USB DESCRIPTOR	VEN, GEN	VEN	
MIDI-USB THRU	OFF, ON	OFF	
RECEIVE GM2 ON	OFF, ON	ON	

Tune Mode Parameters

Parameter	Value	Factory Setting	Page
TEMPERAMENT	EQUAL, MEAN-TONE, PYTHAGOREAN, KIRNBERGER, WERCKMEISTER I, WERCKMEISTER III, YOUNG I, YOUNG III	EQUAL	p. 12
REVERB TYPE	OFF, ROOM, STAGE, SMALL HALL, MEDIUM HALL, SMALL CHURCH, MEDIUM CHURCH, LARGE CHURCH, CATHEDRAL	SMALL CHURCH	p. 12

■ Preset (P01, P02) Settings

PART	TONE	EQ	TYPE	MUTE	LEVEL	PAN	C.T	F.T	REV	CHO	DRY
1	PIANO 016: Stereo Harpsichord	ON	ton	OFF	100	0	0	0	80	0	127
2	STRINGS 005: Orchestral Strings										
3	STRINGS 013: Contrabass Section										
4	OTHERS 001: Harp										
5	STRINGS 021: Full Chamber Strings										
6	CHOIR 001: Real Choir										
7	STRINGS 028: Bass Pizzicato										
8	STRINGS 001: Expressimo										
9	PIANO 001: Grand MX										
10	r01: Orch. Kit		rhy								
11	PIANO 001: Grand MX		ton	P01: ON P02: OFF							
12											
13											
14											
15											
16											

For more on P01 and P02, refer to **Selecting How the MX-200 is Used** (p. 22).

Demo Song List

1. Hymnus

by Hector Olivera © 2003 Roland Corporation

An original work composed especially for the MX-200.
Passages with brilliant trumpet tones resound like celestial music.

2. MX-200 Overture

by Hector Olivera © 2003 Roland Corporation

Another work composed for the MX-200, this is a rhythmically expressive ensemble piece.
Enjoy the interplay of flowing strings entwined with brass and piano sounds.

3. Sinfonia No. 29

by Johann Sebastian Bach (Original Arrangement by Dan Miller)

A typical Bach piece. The characteristic reverberation of the brass makes this piece stand out.

4. Jesu, meine Freude

by Johann Sebastian Bach (Original Arrangement by Mauro Goia)

Another example representative of Bach's works. This arrangement begins with soft, quiet tones, then builds as greater numbers of pipes are gradually added.

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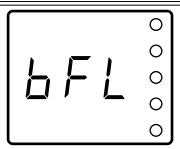
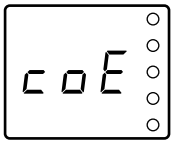
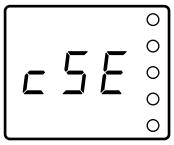
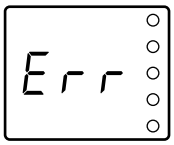
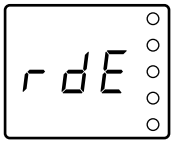
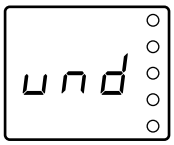
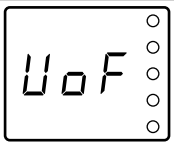
Error Messages

An error message appears in the display when an error in operation occurs, or if an operation cannot be processed correctly. When this occurs, continue by following the instructions indicated in the error message.

Display	Situation	Action
	More MIDI messages were received in a short time than could be processed correctly.	Reduce the amount of MIDI messages that are transmitted.
	There is a problem with the MIDI cable connected to the XV-2020's MIDI IN connector or with an external device. However, this message is also displayed when the power for the external device is turned off.	Check to make sure the MIDI cable is firmly and properly connected. Otherwise confirm that there is no short in the MIDI cable (try switching the MIDI cable to check this).
	A system exclusive message that was received had an incorrect check sum value.	Correct the check sum value.
	The MX-200's special expansion board is not installed.	Remove the MX-200's top cover, then check to make sure that the special expansion board is firmly and properly installed in the MX-200.
	A system exclusive message was not properly received. Repeated appearance of this same error message means that there is a problem with the MIDI message.	Check the content of the received system exclusive message.
	USER data has been damaged.	Restore the factory settings with the Factory Reset procedure.
	It is possible that the power has been turned off for the computer connected to the XV-2020's USB connector.	Check the power of the connected computer.
	It is possible that a USB cable has been pulled out or has a short.	Check the USB cable.

ORGAN SOUND EXPANSION Date : August. 31, 2003

Model MX-200

MIDI Implementation Chart

Version : 1.00

Function...		Transmitted	Recognized	Remarks
Basic	Default	X	1–16	
Channel	Changed	X	1–16	
Mode	Default	X	Mode 3	
	Messages	X	Mode 3, 4 (M = 1)	* 2
	Altered	**********		
Note Number :	True Voice	X **********	0–127 0–127	
Velocity	Note On	X	O	
	Note Off	X	O	
After Touch	Key's	X	O *1	
	Channel's	X	O *1	
Pitch Bend		X	O *1	
Control Change	0, 32	O *4	O *1	Bank select
	1	X	O *1	Modulation
	2	X	O	Breath type
	4	X	O	Foot type
	5	O *4	O	Portamento time
	6, 38	O *4	O	Data entry
	7	O *4	O *1	Volume
	8	X	O	Balance
	10	O *4	O *1	Panpot
	11	X	O *1	Expression
	64	X	O *1	Hold 1
	65	O *4	O	Portamento
	66	X	O	Sostenuto
	67	X	O	Soft
	68	X	O	Legato Foot Switch
	69	X	O	Hold 2
	71	O *4	O	Resonance
	72	O *4	O	Release Time
	73	O *4	O	Attack Time
	74	O *4	O	Cutoff
	75	O *4	O	Decay Time
	76	O *4	O	Vibrato Rate
	77	O *4	O	Vibrato Depth
	78	O *4	O	Vibrato Delay
	80	X	O (Tone 1 Level)	General Purpose Controller 5
	81	X	O (Tone 2 Level)	General Purpose Controller 6
	82	X	O (Tone 3 Level)	General Purpose Controller 7
	83	X	O (Tone 4 Level)	General Purpose Controller 8
	84	X	O	Portamento control
	91	O *4	O (Reverb)	General purpose effects 1
	93	O *4	O (Chorus)	General purpose effects 3
	1–5, 7–31, 64–95 *3	X	O	CC1, 2 (General purpose controller 1, 2)
	1–5, 7–31, 64–95 *3	X	O	CC3, 4 (General purpose controller 3, 4)
	98, 99	X	X	NRPN LSB, MSB
	100, 101	O *4	O	RPN LSB, MSB
Program Change	: True Number	O *4 **********	O *1 0–127	Program No. 1–128
System Exclusive		O *5	O *1	
System Common	: Song Position	X	X	
	: Song Select	X	X	
	: Tune Request	X	X	
System Real Time	: Clock	X	O	
	: Commands	X	X	
Aux Messages	: All Sound Off	X	O (120, 126, 127)	
	: Reset All Controllers	X	O	
	: Local On/Off	X	X	
	: All Notes Off	X	O (123–127)	
	: Active Sensing	O *1	O	
	: System Reset	X	X	
Notes		* 1 O X is selectable. * 2 Recognized as M=1 even if M≠1. * 3 Can be changed settings. * 4 Transmits when Data Transfer is excuted .	* 5 Transmits when Data Transfer is excuted or RQ1 received.	

Mode 1 : OMNI ON, POLY Mode 2 : OMNI ON, MONO O : Yes

Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF, MONO X : No

Specifications

MX-200: ORGAN SOUND EXPANSION

(conforms to General MIDI 2 System)

Parts
16

Maximum Polyphony
64 voices

Wave Memory
128 M Bytes (16-bit linear equivalent)

Expansion Slot
Wave Expansion Board SRX Series: 1 slot

Tones
Organ Tones: 78

Orchestral Tones: 148

GM2/GS Tones: 384

Others: 512

Rhythm sets
Organ/Orchestral Sets: 2

GM2/GS Rhythm Sets: 19

Others: 8

Effects
Chorus

Reverb

4-band Tone Equalizer

Display
7 segments, 3 characters (LED)

Connectors
Headphones Jack (Stereo 1/4 inch phone type)

(USB Connector for service only)

Output Jacks (L (MONO), R) (1/4 inch phone type)

Output Jacks (L, R) (RCA phono type)

MIDI Connectors (IN, OUT, THRU)

DC IN Jack

Ground Terminal

Power Supply
DC 9 V (AC Adaptor)

Current Draw
600 mA

Dimensions
245 (W) x 237 (D) x 45 (H) mm

9-11/16 (W) x 9-3/8 (D) x 1-13/16 (H) inches

(excluding AC Adaptor and Organ Under Brackets)

Weight
1.6 kg / 3 lbs 9 oz
(excluding AC Adaptor and Organ Under Brackets)

Accessories
Owner's Manual

AC Adaptor (ACI-120C/ACI-230C/PSB-1U)

Organ Under Bracket x 2

Screw x 4

Rubber Foot x 4

Options
Wave Expansion Board: SRX Series

* *A separate publication titled "MIDI Implementation" is also available. It provides complete details concerning the way MIDI has been implemented on this unit. If you should require this publication (such as when you intend to carry out byte-level programming), please contact the nearest Roland Service Center or authorized Roland distributor.*

* *In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.*

Information

When you need repair service, call your nearest Roland Service Center or authorized Roland distributor in your country as shown below.

AFRICA

EGYPT
Al Fanny Trading Office
9, EBN Hagar A1 Askalany Street,
ARD E1 Golf, Heliopolis,
Cairo 11341, EGYPT
TEL: 20-2-417-1828

REUNION
Maison FO - YAM Marcel
25 Rue Jules Hermann,
Chaudron - BP79 97 491
Ste Clotilde Cedex,
REUNION ISLAND
TEL: (0262) 218-429

SOUTH AFRICA
That Other Music Shop (PTY) Ltd.
11 Melle St., Braamfontein,
Johannesbourg, SOUTH AFRICA

P.O.Box 32918, Braamfontein 2017
Johannesbourg, SOUTH AFRICA
TEL: (011) 403 4105

Paul Bothner (PTY) Ltd.
17 Werdmuller Centre,
Main Road, Claremont 7708
SOUTH AFRICA

P.O.BOX 23032, Claremont 7735,
SOUTH AFRICA
TEL: (021) 674 4030

ASIA

HONG KONG
Rockson Organ Service Company
Unit H, 13/F, Block A Marvel
Industrial Building 25-31 Kwai
Fung Crescent Kwai Chung
N.T. HONG KONG
TEL: 2497 7531

INDONESIA
PT Citra IntiRama
J1. Cideng Timur No. 15J-150
Jakarta Pusat
INDONESIA
TEL: (021) 6324170

KOREA
Cosmos Corporation
1461-9, Seocho-Dong,
Seocho Ku, Seoul, KOREA
TEL: (02) 3486-8855

PHILIPPINES
G.A. Yupangco & Co. Inc.
339 Gil J. Puyat Avenue
Makati, Metro Manila 1200,
PHILIPPINES
TEL: (02) 899 9801

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Sonata Music House Pte, Ltd
Blocks 140 Tech Whye Lane,
#02-357, SINGAPORE 680140
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ROLAND TAIWAN ENTERPRISE CO., LTD.
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N.Road Sec.2, Taipei, TAIWAN,
R.O.C.
TEL: (02) 2561 3339

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Roland Corporation Australia Pty., Ltd.
38 Campbell Avenue
Dee Why West. NSW 2099
AUSTRALIA
TEL: (02) 9982 8266

NEW ZEALAND
Roland Corporation Ltd.
32 Shaddock Street, Mount Eden,
Auckland, NEW ZEALAND
TEL: (09) 3098 715

CENTRAL/LATIN AMERICA

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Instrumentos Musicales S.A.
Av.Santa Fe 2055
(1123) Buenos Aires
ARGENTINA
TEL: (011) 4508-2700

BRAZIL
Roland Brasil Ltda
Rua San Jose, 780 Sala B
Parque Industrial San Jose
Cotia - Sao Paulo - SP, BRAZIL
TEL: (011) 4615 5666

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San Jose, COSTA RICA
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Nataniel Cox #739, 4th Floor
Santiago - Centro, CHILE
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OMNI MUSIC
75 Avenida Norte y Final
Alameda Juan Pablo II ,
Edificio No.4010 San Salvador,
EL SALVADOR
TEL: 262-0788

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Casa Veerkamp, s.a. de c.v.
Av. Toluca No. 323, Col. Olivar
de los Padres 01780 Mexico D.F.
MEXICO
TEL: (55) 5668-6699

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Boulevard Andrews, Albrook,
Panama City, REP. DE PANAMA
TEL: 315-0101

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J.E. Olear y ESQ. Manduvira
Asuncion PARAGUAY
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C.P.: 11.800
Montevideo, URUGUAY
TEL: (02) 924-2335

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Av. Francisco de Miranda,
Centro Parque de Cristal, Nivel
C2 Local 20 Caracas
VENEZUELA
TEL: (212) 285-8586

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A-6063 RUM, AUSTRIA
TEL: (0512) 26 44 260

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Roland Benelux N. V.
Houtstraat 3, B-2260, Oevel
(Westerlo) BELGIUM
TEL: (014) 575811

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Roland Scandinavia A/S
Nordhavnsvej 7, Postbox 880,
DK-2100 Copenhagen
DENMARK
TEL: 3916 6200

FRANCE
Roland France SA
4, Rue Paul Henri SPAAK,
Parc de l'Esplanade, F 77 462 St.
Thibault, Lagny Cedex FRANCE
TEL: 01 600 73 500

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Roland Scandinavia As, Filial Finland
Elannontie 5
FIN-01510 Vantaa, FINLAND
TEL: (0)9 68 24 020

GERMANY
Roland Elektronische Musikinstrumente HmbH.
Oststrasse 96, 22844 Norderstedt,
GERMANY
TEL: (040) 52 60090

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STOLLAS S.A.
Music Sound Light
155, New National Road
Patras 26442, GREECE
TEL: 2610 435400

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Roland East Europe Ltd.
Warehouse Area 'DEPO' Pf.83
H-2046 Torokbalint, HUNGARY
TEL: (23) 511011

IRELAND
Roland Ireland
G2 Calmount Park, Calmount
Avenue, Dublin 12
Republic of IRELAND
TEL: (01) 4294444

ITALY
Roland Italy S. p. A.
Viale delle Industrie 8,
20020 Arese, Milano, ITALY
TEL: (02) 937-78300

NORWAY
Roland Scandinavia Avd. Kontor Norge
Lilleakerveien 2 Postboks 95
Lilleaker N-0216 Oslo
NORWAY
TEL: 2273 0074

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P. P. H. Brzostowicz
UL. Gibraltarska 4.
PL-03664 Warszawa POLAND
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Cais Das Pedras, 8/9-1 Dto
4050-465 PORTO
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TEL: (022) 608 00 60

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FBS LINES
Piata Libertatii 1,
RO-4200 Gheorghehi
TEL: (095) 169-5043

RUSSIA
MuTek
3-Bogatyrskaya Str. 1.k.l
107 564 Moscow, RUSSIA
TEL: (095) 169 5043

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Roland Electronics de España, S. A.
Calle Bolivia 239, 08020
Barcelona, SPAIN
TEL: (93) 308 1000

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Roland Scandinavia A/S
SWEDISH SALES OFFICE
Danvik Center 28, 2 tr.
S-131 30 Nacka SWEDEN
TEL: (0)8 702 00 20

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Roland (Switzerland) AG
Landstrasse 5, Postfach,
CH-4452 Itingen,
SWITZERLAND
TEL: (061) 927-8383

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Mira Str. 19/108
P.O. Box 180
295400 Munkachevo, UKRAINE
TEL: (03131) 414-40

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Roland (U.K.) Ltd.
Atlantic Close, Swansea
Enterprise Park, SWANSEA
SA7 9FJ,
UNITED KINGDOM
TEL: (01792) 702701

MIDDLE EAST

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Moon Stores
No.16, Bab Al Bahrain Avenue,
P.O.Box 247, Manama 304,
State of BAHRAIN
TEL: 211 005

CYPRUS
Radex Sound Equipment Ltd.
17, Diagorou Street, Nicosia,
CYPRUS
TEL: (022) 66-9426

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MOCO, INC.
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Roberoye Cerahe Mirdamad
Tehran, IRAN
TEL: (021) 285-4169

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8 Retzif Ha'aliya Hashnya St.
Tel-Aviv-Yafo ISRAEL
TEL: (03) 6823666

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Amman 1118, JORDAN
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Easa Husain Al Yousifi Est.
Abdullah Salem Street,
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TEL: 243-6399

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Chahine S.A.L.
Gerge Zeidan St., Chahine Bldg.,
Achrafieh, P.O.Box: 16-5857
Beirut, LEBANON
TEL: (01) 20-1441

QATAR
Al Emadi Co. (Badie Studio & Stores)
P.O. Box 62, Doha, QATAR
TEL: 4423-554

SAUDI ARABIA
aDawliah Universal Electronics APL
Corniche Road, Aldossary Bldg.,
1st Floor, Alkhobar,
SAUDI ARABIA

P.O.Box 2154, Alkhobar 31952
SAUDI ARABIA
TEL: (03) 898 2081

SYRIA
Technical Light & Sound Center
Khaled Ebn Al Walid St.
Bldg. No. 47, P.O.BOX 13520,
Damascus, SYRIA
TEL: (011) 223-5384

TURKEY
Barkat muzik aletleri ithalat ve ihracat Ltd Sti
Siraselviler Caddesi Siraselviler
Pasaji No:74/20
Taksim - Istanbul, TURKEY
TEL: (0212) 2499324

U.A.E.
Zak Electronics & Musical Instruments Co. L.L.C.
Zabeel Road, Al Sherooq Bldg.,
No. 14, Grand Floor, Dubai, U.A.E.
TEL: (04) 3360715

NORTH AMERICA

CANADA
Roland Canada Music Ltd. (Head Office)
5480 Parkwood Way Richmond
B. C., V6V 2M4 CANADA
TEL: (604) 270 6626

Roland Canada Music Ltd. (Toronto Office)
170 Admiral Boulevard
Mississauga On L5T 2N6
CANADA
TEL: (905) 362 9707

U. S. A.
Rodgers Instrument LLC
1300 N. E. 25th Avenue,
Hillsboro, Oregon 97124,
U. S. A.
TEL: (503) 648 4181

For EU Countries

CE

This product complies with the requirements of European Directive 89/336/EEC.

For the USA

FEDERAL COMMUNICATIONS COMMISSION
RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.
This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Canada

NOTICE

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

AVIS

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Control Guide